COLUMN THE REAL OF THE P.

NORMAN J. COLMAN. EDITORS.

Published weekly at 721 Olive St., Rooms ens, 1214, 1216 and 1216 Chemical Building, earner Olive and Eighth Sta., St. Louis, Mo., at one dollar a year. Eastern Office, Chaimer D. Colman, 520 Temple Court, New York City.

betters should be addressed to COL-

NEW SUBSCRIBERS.

Every subscriber will confer a great avor by helping to add new subscribers to our list. By sending a NEW name with dollar, and he can add other NEW names at fifty cents each as TRIAL subscribers, but no commission allowed at these very tow terms. Renewals, unless accompanied by a new subscriber, must be at one dolers' paper published.

#### AGRICULTURAL STATISTICS.

For many years the Missouri State Board of Agriculture has been attempting to comply with the requirements of the law and gather and publish agricultural statistics, but with very indifferent success, because of the lack of proper facilities. The General Assembly now in session has been asked to supply the lack to nearly House bill No. 462, introduced by Mr. Harper of Bates county, which provides for the collecting and publishing of agricultural statistics. By this act

This act, if passed, will serve a most useful purpose in giving buyers of farm accurate knowledge of where

these products are to be obtained. The "Agricultural Year Book," lately urge them to send for copies. Its 100 pages will be found to contain a fund of infor-mation which any farmer could afford to

very profitable reading One of these is Horse Breeding. This is illustrated with cuts showing different types of horses. Still another is on The Sanitary Production of Milk.

Horse Breeding. This is illustrated with place in front of the wagon it was excuts showing different types of horses. I am glad my suggestion of a test acre

COLMAN'S RURAL WORLD | Do our subscribers all understand that time it is paid for? At our very low rates it is an imperative necessity to stop it when subscriptions expire. This rule applies to rich and poor alike. If you want to continue to receive its visits renew. If you like the paper, your neighbors would like it, if acquainted with its merits as you are. Therefore try to induce as many of them as you can to join in a MAN'S RURAL WORLD, 721 Olive St., st. Louis, Mo. Advertising rates furaished on application. Advertisers will
and the RURAL WORLD one of the best
made during the month named on the mediums of its class in the label pasted on your paper with your name, you will not get it the succeeding month. Thus if the label reads John Smith, Dec., 1900, and he has not renewed by the end of December, he will not get the issues for January, 1901. If he wants the two can be had for only one them he should promptly remit for them. The present issue is sent to some whose terms have expired, but it will be the

each. See address tag on each num- this moisture is in the form of a film surand don't fail to send renewal before rounding each particle of soil, and the finthe month named closes, or name will er these particles are the greater quantity drop from the list. Do the best you can for the best and cheapest weekly farm-fact known, the thinking farmer has only to cultivate his crop to develop the dust mulch and save this moisture for his

corn or potatoes.

There is no part of the farm operations that does not require the application of some great fundamental truth. A farmer may blindly apply these truths, because father did so and all the neighbors do so, but the man who knows the underlying principles and applies them understandingly will be more persevering because he knows why he is pursuing his present course and fully expects results.

#### FACTS TO FACE.

furnished by the State Board of Agriculture of the number of acrea cultivated in the leading crops, with yield per acre, number of live stock, amount of dairy products, etc., these to be returned to the secretary of the State Board for tabulation and publication.

This act, if passed, will acrea to the secretary of the state Board for tabulation and publication. 18 yards square, or 324 square yards, to potatoes. From this ground I dug 35 bushels of good, marketable potatoes. Af-ter using from them until November 26 a neighbor paid me \$12 for the remainder. This was only a fair yield there and noissued by the University of Tennessee, is body ever thought of making any remark so valuable a publication that we want to call the attention of our readers to it and almost doubled my yield. If Mr. Lyon is at all skeptical I can give him indisputawill be found to contain a fund of information which any farmer could afford to pay "big money" to get rather than do without. Under the head of "Animal Husbandry" one who has never seen such things it sounds "fishy."

Everybody is taking a fall out of the tation of Rations, by Prof. Andrew hired man, so here is another. I once em-M Soule. In it is discussed the subject of ployed one of the best boys in our vicinstock feeding in such a way that many of the modern phases of the feeding for speed he broke all records. One morn-problem are made plain. Another interesting article of this series is one on After he had his team harnessed and in

ecially valuable article is by Prof. meets with approval. The editor's idea

Editor RURAL WORLD: I notice M Stanton in a recent issue of your paper opens again the aft-discussed question of the "hired man." I may not be able to add much, if anything, that is new to the literature on this subject, but wish to give few experiences and observations that ay be helpful to some one.

THE HIRED MAN.

The Ex-City Man's View

RESEARCH CON 1801

This is an age of progress in farming methods as much as in any other depart-ment of human industry. Progress must be the watchword of every farmer in every section of our country or there will be a backward trend instead of advancement. The best methods must be found out and then adopted. The farmer cannot afford o be behind the manufacturer. Old meth ods must give way to new ones. The hired man of 30 years ago is of little use on an up-to-date farm, yet this same "hired man" is very much in evidence all over our land. Is not the farmer somewhat to blame that this is so? The aver age farmer makes the farm hand a com-mon drudge, nothing more, and takes pains to let him know that he so considers im. Any kind of a place is good enough for the hired man to sleep in or pass the few hours that he may call his own. The world, outside of the farmer world, because of this treatment, has come to look down upon the occupation of a farm hand. Even editors of county papers in rural districts are wont to make the farm hand a jest and gibe for the laughter of their eaders. Note this clipping from one of said papers:
"When a farmer gets an assortment

chinaware with a can of baking powder he had better let the hired man eat hot

iscuit made from it."

In other words, anything is good enough

or the hired man. The larger part of my life has been ent in cities. I have known numbers of young men who would gladly have gone from city to country, from behind the counter to the hay field, if they could have been assured that they would fall in with a farmer who thought as much of his hired man or more than he did of his horses or cattle. These same young men had not the means to buy land, though as farm helps they would have brought thought and energy to their work. Some of them would have been better off in pocket at the end of the year and un-questionably better off in health if they had been on farms.

I wonder how many farmers ever take the hired man into conference about a the hired man into conference about crop or discuss with him the best meth ods of carrying on the farm?

Every farmer should keep an acc with his land, charging it up with all it costs him and giving it credit for all that it pays. The average farmer does not it pays. do this. If he did, would he ever think to talk to the hired man about the cost and farmers that he went to had any idea, only a guess so, of how much of any crop they raised to the acre, or the cost in fertilizer or labor of caring for it. Not one in ten could tell him how many eggs the chickens laid or what it cost to feed

Every farmer should keep posted or what is going on about him. Superrib for several good farm papers and one goo

ess world in our cities it is not an unon thing to find men who have spent to be had. The problem is to get the good hired man and the good employer together; how is this to be accomplished? I will leave the answering of this question

one if the right opportunity offered.

#### WINTER DAYS AT SEVEN PINES.

to wiser heads. I said I never had be

a farm hand, but not that I would not be

L. E. PAGE.

Editor RURAL WORLD: A bu little slate colored feathers, soft and delicate, ornament a window glass here at my literary table. These fluffy little feathers compose the text of this paragraph and their prominence is due to a chipping sparrow that flew against the glass the other day, Birds somethers are deceived by glass appearances and light colored outlidings, and it is a wonder that they survive the collision. This little chipping parrow sailed away not much the worse for its severe bumping. Poor little inno-

ent beings of the free air, they are be-et by dangers all around.

WAR PRICES.—Wars are great promoters of prices of grain and live stock. General Wheeler well says that wars are grains and cattle and hogs will continue to command good prices for some years in our country. Another consideration is that we no longer hear complaint of a surplus of grain being piled up in the way of later crops. Hold your wheat and corn sown this spring than ever in the history is an expression which has evaporated and taken shipping to the azure deep. Much oats to sell, nearly all are fed in the of the corn and wheat has long since known.—See advertisement of Beardless

what is going on about him. Subscribe for several good farm papers and one good newspaper. I am glad to note that an increased number are doing this. How many of our farmers ever mark an article for the hired man to read especially constructed by the several good farm papers and one good newspaper. I am glad to note that an increased number are doing this. How many of our farmers ever mark an article for the hired man to read especially constructed by the several good farmed good f Chas. A. Keffer, on Pruning, and which is illustrated so as to show how pruning should be done. Another valuable one by effort. But you know we farmers are every conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir the conservative class and it takes a direct appeal to the pocketbook to stir think and study the nature of rivers, overflows, flood plain, soils, and a dozen overflows, flood plain, soils, and a dozen that the best crops may be obtained. Then of the find the publication of families of the sequence of the control of the sequence of

cools and machinery instead of letting that the trouble pointed unmistakably to brook and left lie from two to four months tools and machinery instead of letting that the trouble pointed unmistakably to them lay where last used, or out in the fence corner until the next season, then the hired man will learn to care for things when the farmer's back is turned.

There is no question but that year by year the hired man problem becomes a more serious one on the farm. Wages year by year get higher and good men are hard to obtain. When the good man is found does it not pay to keep him year. It is a difficult at fair which is yet but little understood by of corn means over half a million of corns and left lie from two to four the cornstalk disease. I failed to find a farm before he hauls them out onto som point. The other feeds on a point and the manure and all wash down into itself, and is not the result of smut, wormy has fed out 10,000 bushels of corn means over him year. found does it not pay to keep him year n and year out? Yet how many of our farmers have the same help now they had even five years ago? While in the busi-losses from its ravages rate it only secondary to swine plague.

WEATHER NOTES .- Our January prenearly a lifetime in one capacity or another with the same firm or corporation.

I know of one instance only where for cember, brings the rating up the point (welve years or more the same two hired men stayed with one man on the farm.
These were paid good wages, their employer's interest was their interest, and ployer's interest was their interest, and vice versa: They were happy and contented. This condition may exist on many farms where it is not so now if right methods of dealing with the farm hand question are practiced. There are many "don'ts" I might set down, but would prefer to advise the "do" of the Golden Rule, which if ever borne in mind will bring happy results. There are good men to be had. The problem is to get the good men to be had. The problem is to get the good men time to write to me in regard to chean the proposal and thewing have nevertal and been highly entertained and profited. Nobody can avoid realizing that the farm is at last realizing its importance. The farmers, too, are finding out that there is system in agriculture which demands the best intelligence and the profoundest knowledge. The forces of nature may be harnessed either as friends or as enemies.

LIGHTNING RODS.—At one of these intelligence and the profoundest knowledge. The forces of nature may be harnessed either as friends or as enemies. tinue to write to me in regard to cheap

### CONDITIONS THAT INDUCE REFLEC-TION.

Editor RURAL WORLD: What a fine winter we have had, no severely cold weather and little rain or snow. We had as cold weather in November as we have had since, and I think that the mercury has never been lower than 16 degrees. (Got down to 6 after this was written.) CROPS OF 1900.—The 1900 corn crop was a good one but there was some damage

by dry weather and chinch bugs. Wheat was a practical failure and the growing crop promises no better. Tobacco is low in grade and light in weight. One crop near here was estimated at over 6,000 pular. The American-Spanish war, the pounds and made 4,600. Prices of tobac-dilippine war and the South African war popular. The American-Spanish war, the Philippine war and the South African war co are lower than last year, as the trust have in themselves been prime causes in keeping up prices of farm products in the it pleases. Still I do not think that the United States. It is evident that the chief difference is so great when the grade is considered, as the 1899 crop will long be

Potatoes and oats were as good as in

of the corn and wheat has long since knace shipping to foreign lands.

GOVERNMENT REPORTS.—Through the courtesy of Congressman Lloyd a big list of fine government books came walking into the editorial room at Seven Pines the other day. And such volumes of information! The United States Geological Survey reports are especially valuations of the rivers of the rivers

manure and all wash down into the

and at an average price of 40c per bush-el means \$4,000, the manurial value of this corn has certainly been not less than \$2, 000, not one-tenth of 1 per cent of which was returned to the land which grew the crop. Does this pay? C. D. LYON.

#### WEEK BY WEEK.

Editor RURAL WORLD: Farmers' intitutes are very popular in this state. I have attended several and been highly en

institutes there were three lectures on electricity, by two skilled men, one of whom was a professor in the college of lands here in Northeast Missouri, which I have been telling about in the RURAL WorkLD and other papers. Now, I am quite willing to impart information to these anxious inquirers, yet I believe the best plan is for land seekers to come and see for themselves. What I might say on see for themselves. What I might say on the country will do where care is taken to keep up the fertility of the soil. Two things were made plain of which I in think, all things considered, that timbutes anxious inquirers, yet I believe the best plan is for land seekers to come and see for themselves. What I might say on the rods to the building just as you do see for themselves. What I might say on the rods to the building just as you do see for themselves. What I might say on the rods to the building just as you do see for themselves. What I might say on the rods to the building just as you do see for themselves. What I might say on the rods to the building just as you do see for themselves. What I might say on the rods to the building just as you do see for themselves. What I might say on the rods to the building just as you do see for themselves. Thus best plan is for land seekers to come and best plan is for land seekers to come and see for themselves. What I might say on the subject would be very superficial and unsatisfactory at best. And this time of year is not so favorable for seeing a country as the time when crops are developing. Come, say about July 15 to September.

JASPER BLINES.

rod no insulators successful to the building just as you do your fence wire, i. e., with staples. Thus fertility to the soil faster than anything the rods to the building just as you do your fence wire, i. e., with staples. Thus fertility to the soil faster than anything the rods to the building just as you do your fence wire, i. e., with staples. Thus fertility to the soil faster than anything the rods to the building just as you do your fence wire, i. e., with staples. Thus fertility to the soil faster than anything the rods to the building just as you do your fence wire, i. e., with staples. Thus fertility to the soil faster than anything the rods to the building just as you do your fence wire, i. e., with staples. Thus fertility to the soil faster than anything the rods to the putting up. Three galvanized No. 8 wires twisted to corn, one year to cate with which to sow the clover seed, is my practice. Nor should run along the comb of the house and into the ground five or more feet. The idea in this is to grow profitable crops every year and at the same time that the same and into the ground five or more feet. The hole into the ground can be made by an iron rod, with a free use of water. Copper is the best rod, but the galvanized wire is safe.

It was stated by farmers present that abridges the sale of coal. I am glad of they had had stock killed by lightning this. Many of the dwellers in our towns which had run along the fence for 60 rods. He owners of a cow and sometimes of a This, the electrician said, could be avoided by having connection with the ground family of children. Sometimes these folks every 15 or 20 rods. The Iowa weather man, Mr. Sage, advocates these ground connections, which would have saved to the citizens of Iowa last year several hunstatements were appreciated by those

audiences. The sons who in the inevita-ble course of nature must succeed to the paternal acres are resolved to improve on the methods of their sires. The gennow multiplied thousands of farmer boys presence of a large flock of geese, Toulwho never saw a sickle.

a superfluous task. In a very great sense men live longer than the men of old. They do as much in one day now in harvest as their fathers did in a week. It is thus and more in many ways. Lightning trains nowhere save in the homes of the till have superseded mule and ox trains in going beyond the Rockies.

The old Greeks were constantly harping on "these degenerate days." They have their lineal descendants to-day. But,

"Three-fifths is sheer nonsense and the

sprouts were their favorite regimen, in they could get at them. They should not be turned among small fruits or young orchards. They asserted that they had an aversion against weeds, especially rag-weed. That they wouldn't touch it. I had It is safe to say that each of these men has fed out 10,000 bushels of corn in his feed lot in the past 30 years and has not saved file worth of manure; 10,000 bushels to the ragweeds were vigorous and untouched. I wonder if they could not be taught to eat ragweed? It's a pest on the past of t gora goat breeders that they cultivate in the goat a great craving for ragweed. I have to mow my stubble every year. Nor do I know a bird which is fond

of it. Many will eat foxtail, careless weed lamb's quarter and horseweed seeds, but so far as I have investigated none seem to like ragweed. The seed must germinate easily and quickly. It does equally well, apparently, on poor as on rich soil.

What is better than an apple, unless it be two apples? I have long ago made up my mind that I will not live in a land where apples can't be raised. I like to eat an apple just before going to bed. I believe it to be a healthy habit. I have often thought of going and visiting the land of the "big red apple." But I am informed that the soil is poor, and that wouldn't suit. I want soil that will grow an average of 50 bushels of corn to the acre, one year with another. That is what this country will do where care is

The idea in this is to grow profitable crops every year and at the same time preserve the native fertility of the soil. preserve the native fertility of the soil.

The open winter is keeping the price of hay and roughness down, and

family of children. Sometimes these are puzzled how to feed the cow, and they look with apprehension upon a cold, look with apprehension upon a cold, stormy winter. The fuel, too, is a cause of uneasiness. Hence I am glad the windred head of valuable stock. All these ter is an open one and feed comparatively cheap. I wish every one of these people THEN AND NOW.—A great many young men attended the sessions. The opera house would hardly contain the bed and then another was piled atop of me. That's my idea. It is what we practice. My forbearers lived to a great age and slept in just such beds. I despise a bed with but a mattress where its lumps eration to which I belong did improve on that of their fathers. When I was a ser are gausy, and where on winter nights little lad harvests were gathered by the reaphook, cradle and scythe. There are ouse or white. A roast goose is a feast for I shall not enumerate the tools with a king, an American king. Homer calls which we work nowadays. It would be a superfluous task. In a very great sense I have gone about a good deal in my day. but royal feasts and royal beds I have met

> of the soil. EDWARD BAMFORD HEATON. Warren Co., Ia.

#### SEED AND SEED BED

Editor RURAL WORLD: The selection of seed and preparation of the seed bed are the two most important items of the many that confront the successful crop

### The Dairy.

ANSWERS TO DAIRY QUESTIONS. Editor RURAL WORLD: As per your request in the January 20 issue of your paper, I submit the following replies to the questions asked the orthogenic at the seesion of the Missouri State Dairy Association. I will preface by saying that I have kept registered Jersey cattle for the past 23 years. It will be seen that sub-

Bruns, whose answers are given.

Question 1. What is your favorite breed, and why? Ans. The Jersey, because she has demonstrated beyond cavil that she

No. 4. What would you feed in summer

n in cold water.

be kept for a cow. Oats and hay, or grass ld be kept constantly before the calf seks old, and it should be

allowed all it will eat, for best results.

No. 9. What can a Missouri dairyman do to advance the dairy industry in this state? Ans. He should see to it that the number of dairymen is largely increased, and at the same time educated along the line of his profession, as indicated by the dings of the annual dairy meetings, including such questions as propounded above, to the end that the state may soon take position with the adjoining states, Illinois, Iowa and Kansas, as a successlump," it should not be an impossi THOS. DAY.

Henry Co., Mo. will be pleased to have others who think different answers should be given to the questions in whole or in part give the benefit of their opinions.

us the benefit of their opinions.

It would be very interesting to know, too, how many dairymen among our readers are carrying on their dairy work along the lines laid down by Mr. Bruns od reason for not doing so.

FAILURE OF SMALL SILO.

Editor RURAL WORLD: Perhaps some of your readers can tell why I made a failure of a silo experiment last year. I have never talked with any one who had ever seen a silo, but I had read of them in the RURAL WORLD. Last fall I made a small silo four and one-half feet square by 12 feet high. I made it air-tight, using

down as closely as possible, until full.

Then I put in old wet hay one foot deep, and continued to tramp it once each day

Lafayette Co., Mo. for a week.

week I emptied the sile and found part of the mass rotten, and part of it turned brown in color. The peas in the pods were black outside and brown inside. smell of ammonia from it was very No kind of stock would touch the wines, but some half-starved razor backed hogs ate the peas. I would like some one to explain the cause of the failure. Was the silo too small? Were the peas too green? Was the lack of ensilage cutter

esponsible for the failure? Arkansas Co., Ark. Arkansas Co., Ark. A. BRYANT.
"Buff Jersey," to whom the foregoing was referred, says: "The silo was too small. The peas not being cut, could not be tightly packed. The top should have of dirt. Such small silos must be weighted heavily, and they are not practical as the loss on the edges is far greater in pro-portion than in the large silo."

CORRECTION.—Buff Jersey wishes us to correct a misstatement in his silo ar-ticle. Instead of the 2x4s being set flat side to the 4x6s, they should be set edge-

HELPING WIFE CHURN.

Editor RURAL WORLD: Others are giving their ways of taking care of calves and churning, so I will tell how I did last season. I kept my eyes open for young calves, from those who want the milk and want to sell their calves. I put two calves with each cow, and I would only stand by and pat the calves on the head while they did the churning for wife.

Provided that it conforms to Rules 1 and 2.

Rule 4. An animal whose sire is recorded in the American Jersey Cattle Club Herd Register; provided that it conforms to Rules 1 and 2.

Rule 5. An animal whose dam is recorded.

wife.

I made a small pen, and put in this a long trough, into which I put threshed ed in the American Polled Jersey Herd loats. The calves were kept in the pen all night. They soon began to eat; the younger ones seeing the older ones eating were soon at it. In the morning I would turn the calves to the cows and then out on pasture.

Rule 5. An animal whose dam is recorded in the double of the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Polled Jersey Herd Book, and whose sire is recorded in the American Jersey Cattle Club Herd Registry and the American Jersey Cat

#### Cows Made To Breed

By injecting with Hood Farm Breeding Powder. Over 75 per cent. of cows treated with it for failure to breed have since bred.

After Abortion all cows should be treated. It thoroughly disinfects,—kills germs and puts organs in normal condition. \$\frac{1}{2}\$ and \$\frac{2}{2}\$.50. Dollar size, mail \$\frac{1}{2}\$.15. Hood Farm Milk Fever Cure saves 90 per cent. of cows attacked by this disease. \$\frac{2}{2}\$.00. By express, \$\frac{2}{2}\$.75. Extra good Jersey bull calves and Berkshire swine generally for sale. Correspondence solicited. Mention this paper. Address C. I. HOOD & CO., Lowell, Mass.

The regular Herd Book, shall in all cases be followed by the words stock, or the initial letters, F. 8.

Provided that all animals so recorded must conform to the following rules: Rule A. The sire and dam of all such animals must both be recorded, either in the American Polled Jersey Herd Book unless the application is accompanied by an application for the registration of one or more of his polled descendants in the American Polled Jersey Herd Book unless the application is accompanied by an application for the registration of one or more of his polled descendants in the American Polled Jersey Herd Book unless the application is accompanied by an application for the registration of one or more of his polled descendants in the American Polled Jersey Herd Book unless the application is accompanied by an application for the registration of one or more of his polled descendants in the American Polled Jersey Herd Book unless the application is accompanied by an application for the registration of one or more of his polled descendants in the American Polled Jersey Herd Book unless the application is accompanied by an application of the polled Jersey Herd Book unless the application is accompanied by an application of the polled Jersey Herd Book unless the application is accompanied by an application of the American Polled Jersey Herd Book unless the polled Jersey Herd Book unless the application is accompanied by an application

MILK AS AN ARTICLE OF FOOD.

Editor RURAL WORLD: All countries roughout ages have made dairy hus

No. 2. How would you grade up your bright selection of individual cows.
No. 3. How and what would you feed your cows in winter? Ans. Corn fodder, hay made from sowing together equal hay made from sowing together equal quantities by measure of sorghum, cow diphtheria and other diseases, including peas and soy beans, and clover hay when possible, and grain ration of crushed corn and cob meal and bran, equal parts by profession than to the veterinarian, and both should work for the mutual benefit of drouth? Ans. The about named, cane, the people. Of course, this naturally falls peas and beans, cut daily.

No.5. What crops will you grow next seather than the people. Of course, this naturally falls upon the veterinarian, because some of the disease which render meat and milk peas and beans, cut usily.

No.5. What crops will you grow next seathe diseass which render meat and milk
son? Ans. Field corn, cow peas, soy beans
unfit for human consumption are indigand clover.

No. 6. How would you care for the milk from the cow to the weigh can?

Ans. First by aeration and then by imanagement of this wealth falls, more or less, in the hands of the vetermersion in cold water.

No. 7. How would you handle milk as returned from creamery? Ans. Feed directly to calves and pigs.

No. 8. What methods would you follow which produces it. Is she in a good healthy condition. when raising calves on skim milk? Ans. condition? Is her stable well ventilated when raising claves of a whole or new and has it good drainage? Has she food milk until 21 days old; then substitute and water of good quality? Is her clean-half skim until 40 days old; then all skim milk until five months old, if a helfer to looked after? Tell this and more."

Milk as an article of diet must, in handling and shipping, be kept within a reach penditure, the principal things being health and cleanliness.

The diseases that may be transferred through the milk are those that the cow is subject to, and which can and do pass through the secreting organs into the milk and also those which are affected through external causes, as from the organism on the udder and skin of the cow, or on the hands or clothes of the attendants, and from the water used to wash utensils. Milk ful dairy state. With such leaders as an excellent culture-medium and has Patterson, Bruns, Goodrich, Erwin, Burris and a host of others to "leaven the ated in its handling; therefore, it should be removed at once from the stable to the place set apart for straining, aerating and cooling. Many of the epidemics caused by milk have occurred by contamination after the milk has left the cow and before it is delivered to customers. With the greatest of care, many germs may still be present, and to destroy these and ren-der the milk more wholesome or market-able the remedy is "heat." The germs of and Major Day. Those who are not, must the diseases named are absolutely destroyed by a moderate heat. Therefore the remedy in the hands of the public is the use of only Pasteurized milk, and that is milk subjected to the same preparatory treatment as are all animal foods

Do we fully appreciate the great danger there is in uncooked milk? Statistics show that nearly 60,000 deaths are every year recorded as due to tuberculosis in England and Wales, and even this is an improvement of 50 per cent over 50 years ago. The one great cause of this disease is cows which have the disease, which soon-I moved the cow peas when turning ripe er or later finds its way into the milk, as and let them wilt in the sun for three do all other diseases. Properly conducted darires and milk well cared for with abwithout cutting them. I put in about 15 solute Pasteurization will greatly reduce inches at a time, and tramped them

POLLED JERSEY CATTLE.

The American Polled Jersey Cattle Com pany was incorporated under the laws of the state of Ohio, November 16, 1895, for the purpose of establishing and maintain ing a herd book of Polled Jersey Cattle and for the transaction of such business as may be necessary to advance the interests of the breeders of this class of cattle, and to improve and encourage the breeding of the same.

The Polled Jerseys are in no way in ferior to their horned ancestors and have won recognition on their merits.

They have been given a class at a num

ber of fairs and expositions, including the Ohio State Fair and the Pan-American Exposition at Buffalo, 1901. RULES FOR REGISTRATION .- To b

eligible to record in the American Polled Jersey Herd Book an animal must con-form to the following rules: Rule 1. It must be at least one year old. Rule 2. It must be hornless, calved

hornless, dehorned by no device. Rule 3. The progeny of animals recorded in the American Polled Jersey Herd Book; provided that it conforms to Rules 1

Rule 5. An animal whose dam is record

FOUNDATION STOCK .- For the puron pasture.

Result: A few days ago I was offered 32 a head for the steers.

Now, can any one do better than this by churning and feeding calves skim milk? If they think so, let us hear from them through the RURAL WORLD.

Carroll Co., Mo.

A READER. plementary record to be known as the American Polled Jersey Herd Book for Foundation Stock shall be provided and the record numbers in this book, which shall be a separate series from those in the regular Herd Book, shall in all cases be followed by the words Foundation Stock, or the initial letters, F. S.

NECESSITY FOR PURE MILK.

No matter what may be the skill of th andry an industry of the people, and the pure milk, or sound, wholesome cream, he production of milk as an article of hu-man food may well have the place of first importance. Physiologically, it contains all the proximate elements to support life, The child begins his career on milk, and tion with improvement in the quality of much of its future depends upon the quality of the article.

Our towns and cities spend annually millions of dollars upon their water supply. Of course, this is a necessity, but is not our milk supply of equal importance from the standpoint of public health?

From its origin and composition milk is an animal food, and all animal foods, it has been recognised even by the savages, are better and freer from unpleasant consequences after the preparatory treatment of cooking. This cooking is necessary to destroy the various harmful forms of low illife which frequently live and multiply competition in the export butter trade is s asked the contestants at the late of the Missouri State Dairy Assolity of the article.

I will preface by saying that I

Our towns and cities spend annually conditions to prevent bacterial infection quences after the preparatory treatment of cooking. This cooking is necessary to destroy the various harmful forms of low life which frequently live and multiply more and richer cheese, than her competitors.

No. 2. How would you grade up your herd? Ans. By improvement in sire, and careful selection of individual cows.

No. 2. How and what would you for the greater portion of the year; the udders of the cows are not washed before milkers is permitted to drop into the milk-buckets. As most fatal to human life are due to these organisms as has been conclusively shown by the germ theory.

No. 2. How and what would you shown to improve the competition in the past, it is highly unwise to neglect any precaution that will be not improve the competition of the year; the udders of the cows are not washed before milking, and liquid filth from the hands of the milk-buckets. As most fatal to human life are due to these organisms as has been conclusively shown by the germ theory.

Not until 1879 were are not washed before milking, and liquid filth from the hands of the milk-buckets. As most fatal to human life are due to these organisms as has been conclusively shown by the germ theory.

Not until 1879 were are not washed before milking, and liquid filth from the hands of the milk-buckets. As most fatal to human life are due to these organisms as has been conclusively shown to improve the competition in the past, it is highly unwise to neglect any precaution that will be a milker to destroy the warious harmful forms of low that the world washed before milking, and liquid filth from the hands of the milk-buckets. As most fatal to human life are due to these organisms as has been conclusively shown to improve the competition in the export butter trade is likely to be even more keen in future than the area of the competition in the past, it is highly unwise to neglect any precaution that will be a milker to describe the competition in the past, it is highly unwise to neglect any precaution that will be a milker to describe the situation; if he is neglectful or uncl is impossible for the factory manager to show the best results. A fruitful source of bacterial infection of milk is the "foremilk," or that which ites nearest the opening of the teat, where it is possible for the bacteria to enter. The first two or three spurts of milk should never be alowed to mingle with that subsequently drawn. Other prolific sources of infection are unclean milk vessels, dirt, and dust on the animal herself, on the hands and clothing of the milker, and in the yard or shed. The following suggestion for re-ducing the number of bacteria in the milk could be easily observed: 1. Reject the first spurts from each teat. 2. Use either truly boiling water or steam applied for a considerable time in rinsing, and utilize the germ-killing properties of sunlight in the draining of the vessels. 3. Keep cows clean, and lightly moisten the udder and flank before beginning the milking, so that the dust on them may not be dis odged and fall into the bucket

There is always a loss in selling poor dairy products. They cost as much to pro-duce as that of a good quality, while they sell at a lower price.

CARE OF COWS AT PARTURITION.

Many cows are lost by neglect and ig norance at the time of calving. In my experience of over 62 years in breeding Shorthorns in England and America. have not had a single case, writes R. Barker in the "O. J. Farmer." My grandfather, a large breeder, was well informed on the diseases of farm stock, and I have followed his rules in the treatment of cattle. About five or six days before the calf is due I give one ounce saltpeter in a bran mash. As soon as the calf is born I have the cow milked, if on hand born I have the cow milked, if on hand at the time, before the calf sucks, and



Six styles—23 to 58 inches—best steel wire heavily galvanized. Expansion and contra-tion provided for. Every rod guarantees can Steel & Wire Co., Chicago or New York

#### SAVE \$10--PER COW

let the cow drink the milk if she will I then give her warm water to drink and with a warm bran mash with an ounce of saltpeter. In cold weather co tinue the warm water for 16 days or more Milk fever is often caused by allowing cows their fill of cold water, which cause a chill. During the summer cows seem more subject to the fever, as there is a

24 hours, I give 14 drops of oil of savin for a large Shorthorn cow, and 10 or 12 drop for a small Jersey. If not effective, I re-peat the dose in 24 hours. I have never known it to fail. If the calf comes wrong and has to be taken. I immediately remov it, which is safe if sufficient care is taken Of course, the hand has to be used, always keeping the fingers close together. There is a false notion that a cow having a grain ration should be stinted for several weeks before parturition. I have never practiced this. Of course, if I had been feeding corn meal, I would feed a lighter ration, say two-thirds oats to one-third corn. I believe, and have always prac-ticed this, that a cow should be kept in a good, thrifty, robust condition to give her strength for the ordeal. She certainly suffers less. I always give a cow a box stall for 10 days or more before the time, and let the calf suck for three or four weeks, though as a rule my calves suck for four or five months. A good Shorthorn cow will give a third more milk than a calf needs unless you want to force for show pur

times old process oil meal. I keep them from grass when young. A cow to be profitable should bring a calf each year, and milk a good quantity for nine or 10 months, rich in butter fat. There are men who claim that a helfer calf should not be forced if she is to make a good cow, never get fleshy, as it would destroy the milking qualities. They claim that skim milk and hay or grass are best for young dairy cattle. My helfers have always proved my best cows for milk and butter when they have been fed liberally from the start, and my Shorthorns have captured many prizes for milk and butter at state and county shows. At the time cows are near calving, no noises in the barn or dogs to frighten them should be allowed. At all times they must be kindly to do their best in the

# **ENGINES**





PHOTOGRAPHED BY HAMILTON

RATEKIN'S "PRIDE OF NISHNA."

The above half-tone is an exact reproduction of an overturned basket of ears of Ratekin's "Pride of Nishna" yellow regard to profit or p of Ratekin's "Pride of Nishna" yellow dent seed corn, whose advertisement will be found in another place in this paper. Messrs. Ratekin & Son are among, if not the most, extensive growers of seed corn as a speciety, to be found in the United States, they having made extensive shipments, on orders received from 88 different states during the year 1900, including orders to every during made extensive shipments, on orders received from 88 different states during the year 1900, including orders to every during the wind weighted the states of Illinois and Lovat, without exception, and to 100 of the 114 cunties in Missouri, besides to over 50 per cont of all the counties in a number of other leading corn-growing states. Messrs the leading corn-growing states. Messrs the leading corn-growing the summer of the state of the first increased to the state of the state of the first has had 60 years' practical experience as a corn grower, about 17 years of which he has made the foowing and breeding of select varieties for seed a specialty, and in his little book he has given the public the benefit of the best he knows from this long experience. It gives hundreds of hints

about preparing the land, selecting and growing of seed, cultivating, harvesting, saving fodder and other similar points in regard to profitable corn culture, from which almost any corn grower, however experienced, can derive valuable information and instruction. It also gives many points in relation to wheat culture, growing of oats, rape, sorghum and grassees, seeds of which all the best and most improved varieties are sow. points in relation to wheat culture, growing of oats, rape, sorghum and grasses, seeds of which all the best and most improved varieties are now grown and sent out by Messrs. Ratekin & Son. This "little book" should be in the hands of every farmer, who would know more about the crops he grows, no matter how long he has been on the farm, or how well he is posted on the important subject of corn growing, and this important part of gricultural life. Write them to-day, inclosing two red stamps to pay postage, any unil get it by return mall with two nample packages of seed corn. You will then have time to look it over, and in the light of information it furnishes will have plenty of time to send for such seeds as you may want or need for the coming season. Address J. R. Ratekin & Son. and say you saw their advertisement in the RURAL MORLD, and you will receive it by return mall.

De Laval Cream Separators DE LAVALISEPARATOR Co. 14 Courtland Street

larger supply of milk and the system is more feverish. In case the afterbirth does not pass in

I feed calves bran and oats and s



**ADVANCE FENCE** 

ADVANCE FENCE COMPANY,

IF ANY COMPANY

old, it will have to be a cheaper fence.

PAGE WOVEN WIRE FENCE CO., ADRIAN, MICH. Light Tie Wires Soon Break

THE SPROST ence should have upright wires at least as heavy guage as the lateral wires. The FROST con-ins all heavy wires, thoroughly galvanized. T WIRE FENCE COMPANY





DEHORNER and easiest.





TORNADO BROAD-CAST SOWER. SEED' wider and more evenly than any in use. Perfect that any in use. Perfect that are the country of the country of



We Cant Give Away Anythi

You pay for what you get in this world. You understand that. But as a business proposition we want you to try our great medicine for Indigestion. Constipation, Biliousness, Sick

We know you won't buy it, until you know something about it. The best way to get you to know how good it is, is to let you try it. That's what we do. Send Stamp for "Health" booklet, and we will send you a free sample package, that you may try it yourself. We know you will always keep it in the house, if you once try it. What fairer offer could we make?

MODERN REMEDY COMPANY, KEWANEE, ILLINOIS.

STUMP PULLER...

Makes a Clean Sweep of Two Acres at a Sitting.

MILNE MFG CO., BEH ST. MONMOUTH.ILL. SHETLAND PONY CATALOGUE.

" and like complain

you will always keep it in the house, if you once try it. At all Druggists—10 and 25 cents.

Handsome FREE!

WHITHAN'S Improved Porter's Patent
Gattle Feeding Machinery,
Ensilage Cutters, Corn Threshers,
Feed Cutters, Crushers, Etc.

**Tablets** 

If, instead of sending for a sample, you send us 25c we will send you "Health" booklet, a 25c box and a handsome gold stick pin, set with emerald, ruby or pearl, warranted to be worth double the money. Order by number. This is an extra introductory offer. Only one pin to one person. If unsatisfactory, money returned. Send now while the offer is good.

Feed Cutters, Crusnors, E. THE most economical, rapid and best machin of the age for preparing feed. We are man facturing a full line of the Porter machinery cutting ensilage, cutting or crusning ear cwith shuck and stalk on. Threshes, stand cleans corn ready for market, shreds at and shucks with less expense than any o machine. All of which are fully warran Manufactured by WHITMAN AGRICULTURAL CO., ST. LOUIS, M Haaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

### INCHESTER REPEATING SHOT GUNS

are cheap in price, but in price only. "Take Down" guns list at \$27.00 and Solid Frame guns at \$25.00, but they will outshoot and outlast the highest priced double barreled guns, and they are as safe, reliable and handy besides. Winchester Shot Guns are made of the very best materials that can be procured, a thoroughly modern system of manufacture permitting them to be sold at buyable prices. A

FREE-Sena name and address on a postal card for 164 page illustrated catalogue. WINCHESTER REPEATING ARMS CO., NEW HAVEN, CT.

\* The Celebrated LaDow-Budlong DISC HARROW.

\$17 HAPGOOD PLOW CO., Box 49, Alton, III.

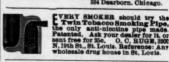








GALVESTON HORROR. Official history, nearly 500 pages, illustrated GENTS clearing \$10 per day; BEST TERMS REIGHT PAID; CREDIT GIVEN; books ready HIGHT PAID; CREDIT GIVEN; books ready; its free; GOOD SALARY AND EXPENSES TO CLAL AGENTS. H. J. SMITH PUB. CO., 384 Dearborn. Chicago.



Reg. JERSEY CATTLE, ers, bred to make finest quality butter ) World's Fair stock. Two extra young ale. A Golden Lad berd bull. L. B. SHATTUCK, Stanberry, Mo.



#### POWER

For pumping water, grinding feed, running separators, churning and a hundred other uses, is needed by every farmer. This RIG does the work, the best and cheapest. Price and description and our boiler and engine cata-

ogue free.

CREAMERY PACKAGE MFG. CO. 915 NORTH SIXTH ST., ST. LOUIS, MO. Dairy Supplies, Boilers and Engines. Feed Cookers, Etc.



STEVENS' IMPROVED SOWER t buy out-of-date one. ONLY \$1 factory, pay R. R.

# Don't Rent

ESTABLISH A

Read "The Corn Belt," a hands monthly paper, beautifully illustrated, containing exact and truthful information about farm lands in the West. Send 25 cents in postage stamps for a year's subscription to THE CORN BELT, 209 Adams St., Chicago.

# EUGENE GIVEN FREE FIELD'S to each person interested in subscribing to the Engene Field Monument Souvenits Fund. Subscribe any amount desired. Subscriptions as low as \$1.00 will entitle donor to this daintily artistle volume "Field Flowers"

A \$7.00

BOOK

THE Book of the desiration of the control to the co

EUGENE FIELD MONUMENT SOUVENIR FUND, 180 Monroe St., Chicago (Also at Book stores)

If you also wish to send postage, enclose 10 cts

The Apollo Turkish Baths 821 LOCUST ST., Opposite P. O.

Liave been refitted, refurnished and are the best in
the city. The state of the state of the city of the c

BED-WETTING CURED. Sample FREE. Dr.

## Horticulture.

HORTICULTURAL TALKS.

PLANTING FRUIT TREES, ETC .will be in order, and to many the ques-tion comes, What shall we plant? Be-ginning with the apple, which, after all, is first and foremost of all fruits, in a orchard there should be a variety, camily orchard there should be a variety, so that one may have apples the whole year round. But a few of each will answer. If one is posted on varieties, he can give the nurseryman his list. A becan give the interest the nurseryman what he is planting for, and let him make out the list. Nurserymen are supposed to know, and no man of sense will give one por variety. For a large commercial and the field is pretty well defined: Sen Davis, Gano, Missouri Pippin, Ingram, York Imperial, Jonathan, all have their claim. Of those newer ones I know

BLACK BEN DAVIS AND GANO AP-PLES.-Stark Bros. tell me they are not the same. The first named is more julcy and better flavored; also that the blos-soms will show the difference, one being while the other is pink in color. I am always thankful to be corrected when in error. I spoke more from what others told me and from limited observation than vise. I have seen the fruit on exhibition, but never tasted the Black Ben.
I would like to have an opportunity to

sample them together.
PEARS.—Bloodgood, Howell, Sheldon,
Garber and Keiffer and my unknown in name have escaped blight the best here. These, with the dwarf Duchess, Early Doynne, Wilder's Early, Bloodgood, Bartlett, Seckel, Clapp's Favorite, Howell, on Flemish Beauty, Lawrence Garone in fruit for a long time.

PEACHES.—In this fruit I am somewhat behind, but if there be a crop the

coming summer, I may be able to tell something about the newer ones. So far as posted, I would recommend Alexander, Sneed, Victor, Foster, Royal George, Crosby Elberta, Salway, the Crawfords, Heath Cling, Old Mixon cling and free, Susque-hanna, and Henrietta for the latest. CHERRIES.—Here I must sing mum. Two winters ago my cherry trees were so

used up that I have nothing to say; but from the experience of others, I would suppose that one will not go wrong if he plants Early Richmond, Montmorency, English Murello, Windsor and Napoleon. CURRANTS AND GOOSEBERRIES .-

These fruits I am just starting well with.
STRAWBERRIES.—Everyone knows or
should know what to plant. Of the new
ones, if one is anxious to try them, Exis earliest and has come to stay. Some say it is too sour, but when fully ripe, a little sugar will fix that all right. Monsess and Malinda are two new ones that please me greatly. Voories and Ruby are No. 1. Bubach, Parker Earle and Lady Thompson are fine. Bederwood is one of the most reliable on my grounds. It ripens early and lasts a long time. Mary part is still on hand and is a superio

home berry for a late one.

RASPBERRIES.—Of these there are a number of good ones. Of the red ones, Miller's Early Red, Turner, Cuthbert, Shafter and Loudon are all good. The latter I consider the most valuable. The Cardinal is very promising. Of the black ones, Hopkins, Evans, Kansas and Cumberland are good. This latter takes the

ince. Barton's Early is a good home market berry being one of the earliest. Ruby is a novelty, being a red black-berry, one might say. It is not large, but the sweetest and best flavored of all. But when one has a patch started the out-siders must be treated as weeds, if not needed to plant out. I know of no one that will spread quicker. It will spread itself all around. Of the new fangled, as strawberry-raspberry, I know SAMUEL MILLER.

1901 SEED CATALOGUE FREE. JAMES VIUM'S SUNS, Rochester, N. Y.

SPRAYING FOR FUNGI.

Editor RURAL WORLD: Some are advocating spraying for fruit trees. Is it all right? Who can tell me? Has any one found anything better than Bordeaux mixture for root rot, bitter rot, scab and other diseases of the apple? How about ike to plant some peaches. What are the best varieties? DAVID BOWMAN. best varieties? Morgan Co., Mo.

Spraying, if thoroughly done at the right time, is not only all right, but the time is near at hand when without such treat-ment it will be next to impossible to produce marketable fruit.

Bordeaux mixture is the only reliable remedy for fungous diseases in general use. Some good authorities claim that crude petroleum applied when trees are dormant is very beneficial. Should this treatment prove successful, the orchardist will find in it one advantage over Bor-deaux mixture: That of being able to do the work during the winter, instead of in mmer, when he is so rushed with other

How often to spray with Bordeaux mixture in one season depends upon circumstances. If trees are old and have never been sprayed before, I would advise several sprayings; the first just as growth starts; the second just after petals have fallen, at which time a little Paris green

starts; the second just after petals have fallen, at which time a little Paris green or white arsenic should be added for the coddling moth; the third when fruit is fairly set, and one or two later on as conditions would indicate.

Some people lose faith in spraying after one year's trial, because their neighbors who did not spray had fruit nearly as good as they. The trouble is that these people do not stop to think and consider the circumstances. In the first place allowance should be made for inexperience in doing the work. No matter what we attempt to do that is new to us, a little experience in doing the work. No matter what we attempt to do that is new to us, a little experience in doing the work. No matter what we attempt to do that is new to us, a little experience in doing the work in the order mine did induce their neighbors to spray also.

Another point: Those who would have the best results from their spraying should induce their neighbors to spray also.

THE BEST LATE PEACHES are Wilkins Cling, Smock, Picquet's Late, Salway and Bonanza, which ripen about in the order named.

North Alton, Ill. EDWIN H. RIEHL.

EXPERIMENTAL HORTICULTURE.

EXPERIMENTAL HORTICULTURE LANTING FRUIT TREES, ETC.—
time is near at hand when this work in fruit, story and the story and the

That some progress is being made every year in horticulture is not doubted. When the writer remembers and compares in his nind the two or three varieties of strawberries grown 33 years ago with the 20 or more sorts that we now grow for market, and the old Miami and Doolittle raspber-ries, with the Kansas, Gregg, Cumberland and others, we would reiterate that berry culture has made rapid strides along all its branches. The ideals then would not bear compasison with our Bubach, Mar-shall, Clyde, Bisel, Splendid, Parker Earle, Warfield and others too numerous to mention. While it required from 60 to 90 of the old Wilson, the great market berry of those days, to make a quart, to-day we have several sorts that from 15 to 25 berries make a well rounded quart. Still horticulturists are seeking for high-

er ideals in all our fruits. In fact, there is no limit to the ideal fruit. It was said that we had it in Jessie strawberry; a little later it was the Jewell, followed by the Bubach, Pearl, Haverland, Woolverton, Timbrel, Marshall, Splendid, Glen-Mary, Brandywine; yet these and many others have fallen below the first estimate others have fallen below the first estimate of their value. We thought we had the ideal for an early sort in the Michel. Then we discovered that the Excelsior had three or four days advantage on the Michel in earliness. Now it is thought that Jewan poor, except in sprayed or that Jewan poor, except in sprayed or that Jewan poor, except in sprayed or the control of the property of Michel in earliness. Now it is thought that Johnson's early will knock out the Excelsior. It is thus that experimental horticulture continues seeking for perfection, or the best that Dame Nature has in store for all her votaries. So, let us not hinder the work. We may never reach the ideal; in fact we never will, in full, but the pursuit of it will keep us employed, and it will enlarge our understanding and widen our influence.

The votaries So, let us not growers. They were the new Century pump, and cost \$13 with 12 feet of hose and no nozzle.

We are planting a good many Grime's Golden, Duchess, Yellow Transparent

TASTE HAS BEEN EDUCATED .- In A man came from the vicinity of Cincinati and leased some land nine miles east of St. Louis. He planted two acres of the old Miami raspberry the first year. The first few crates gathered next year found no purchaser in the city of over i00,000 inhabitants. They were left with a huckster to sell if possible. A few were sold and some handed around for trial. They were found to taste well and to make good ples, yet the first crop on the two acres sold very low, in comparison to what the producer received per bushel two or three years later. Not discouraged by the low prices in the first venture, the planter set four acres more, and by the time this patch came into bearing, the demand and prices had increased. As the demand increased, the grower raised the price to \$5 and \$6 per bushel, and the acreage above 40 acres. As soon as the taste for raspberries became established, the first planter of this fruit always had a corner on the market, and made prices to

BLACKBERRIES.—Of these I consider than all the rest of the world consumed in the Eric my best. The railroad destroyed my patch of Snyders and I have not got any since. Barton's Early is a good how

A PROMISING FIELD.-Experimental griculture has not originated as many new apples as it might have done. One wants in the Missouri Valley is some new winter apples. The Baldwins, Newton Pippins and Spies, so highly prized in the North and East, are only fall apples with us. The Ben Davis, Missouri Pippin and Gano are attractive, but they lack taste, and are poor keepers. They are, in fact, only second rate apples. We need a large, crisp, red apple; one that will stand transportation and keep well. without having to be stored in ice houses to keep it a few weeks. The writer is aware that it would take long years of patience, money and toll to develop the fruit that would suit all tastes, yet there not a more inviting field than this for ome young man who has a little money. Think for a moment what E. W. Bull did for the country when he originated the Concord grape. Its value is almost be-yond computation. Were it not for the Concord, the poor man would hardly be able to get a taste of the fruit that Is so often referred to in the Bible. The Concord's greatest good is in its not being good for wine, but only valuable when it is eaten direct from the vine, or from the original package in which it is

shipped. Thus experimental horticulture is the forerunner of that larger fruit culture that we call commercial vineyards, berry fields and great apple orchards. Thirty years ago the Miami and Doolittle rasp-berries were the leaders for market. The interval of a week between the Doolittle, the earlier of the two varieties, and the last picking of the strawberries has been overcome by experimental horticulture in the production of earlier ripening ber-ries of both kinds. There is now a lap-over of a week made by the earliest ripover to a week made by the earliest rip-ening raspberry and the last picking of strawberries. The Kansas and Cumber-land seem to be holding the fort for size and productiveness, while the Egyptian and Progress are earliest, and the Gregg is

If experimental horticulture will produce a blackberry that is the equal of

ODDS AND ENDS.

I have taught in the public schools for 20 years. I have chased with fevered, throbbing brain the phantom of great wealth in the fields of invention. I have practiced law. I have edited a fruit and farm paper. I have edited a fruit and farm paper. I have held public office, etc., but for comfort and profit, farming and fruit growing with the same amount of brains that is required for success in the popular professions beats them all. Pope was right when he said:

'Reason's whole pleasure, all the joys sense,
Lie in three words, health, peace and
competence."

These are sooner found on the farm and in the orchard than in all the health resorts or marts of wealth the world af-

I have sometimes lost money on ventures of great promise, but I never gave up the farm or the orchard; to these I pinned my faith year in and year out, and they have been my competence. I began setting fruit 14 years ago on a farm of ting fruit is years ago on a larm of the acres, mostly prairie land, for which I paid \$10 per acre. The soil was too poor to raise grain crops, but my apple trees fourished. I have continued to plant spring and autumn ever since, giving all my fruit the best of care. I dig and wash and spray and observe, study and read. I now have 25 acres of apples in bearing, besides all kinds of other fruits for home

chards. My own crop was 1,000 bushels of good apples, the superior quality of which I attribute to spraying with the Bordeaux mixture. Nine sprayers were

Golden, Duchess, Yellow Transparent, Minkler and winesap in Effingham Coun-ty at present. Among peaches the Eiberta is the general favorite. Japan plums rotted so badly last year that many planters will blacklist them altogether.

A. D. M'CALLEN. Effingham Co., Ill. Maple Grove Farm.

#### The Apiary.

THE APIARY IN MID-WINTER.

About the only attention that bees reuire now is to let them strictly alone. See that no stock gets near the hives and that the apiary is in perfect solitude. Do not now try to accomplish any work that you may have neglected to do in the fall, unless it be that you erect some kind of a windbreak far enough from the hives that the bees do not have any knowledge of it.

Bees, of course, are active during a warm day, and if warm enough, will come out and take a flight. This is a good thing for them, as by frequent flights suit his taste. He soon became the owner of 200 or 200 acres of rich, bottom land nine miles from St. Louis.

EIGHTY MILLION DOLLARS FOR STRAWBERRIES—A late writer in Harper's "Monthly Magazine" estimates that \$80,000,000 were paid for strawberries in this country this year—the last one of the century. While we are inclined to think the writer is \$40,000,000 over the mark, yet \$40,000,000 worth of berries is propably more than all the rest of the world consumed in

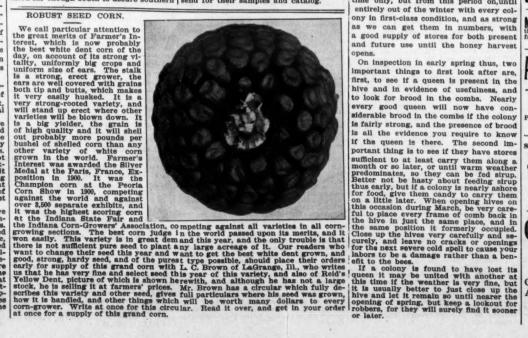
While it is safe to open hives and examine bees any day they are flying free-ly, yet, from the first of January until the first of March, I would not open the hives, for we can not close them again so well as they were before opening them, and bad effects may result. March is the proper time to look after the welfare of the bees, and in this latitude we may do the work early in this month if the weath er is suitable, but not otherwise. If a fin-spell of weather does not present itsel during March so that the bees can take s good fly, better wait until it comes, ever if a month later.

When the right time comes do not put it off until to-morrow, but do the work that day. In earlier days the aplarist, or person who kept bees, was usually termed a lazy person, and adopted beekeeping be-

SUTTON'S SEED CORN.

The illustration presented herewith Shows five ears of Sutton's Favorite white corn, grown by Messras. T. N. Sutton & Son on their large seed corn farm in Mason County. Ill. Mason County has a world-wide reputation for fine corn, being situated just right, about 40 degrees north latitude, for the maturing of this cereal, and Messra. T. N. Sutton & Son are located in the very best section of the county. Their favor-section of the county. Their favor-A Son are located in the very best section of the county. Their favorite varieties are Sutton's Favorite White, Pride of Mason County, White, Premium Yellow Dent and Improved World's Fair (yellow). We understand Sutton's Favorite to be a wonderful yielder and a favorite both north and south, as it matures in 100 days. Their Premium Yellow Dent is a prize-winning variety, deep grain, small cob and big ears. Messrs. Sutton & Son keep their seed in a building built on the very best plan for drying and keeping the corn, assuring the highest germinating power. Every bushel sent out by this firm is of their own raising and is kept warm and dry from the time it is husked until shipped. They are located far enough south to assure southern

ROBUST SEED CORN.



"QUARTER-CENTURY EDITION"

the or annual merit in both Vegetables and Flowers, Elegant New Colores Century's Record of Progress, New Cash Prizes, and other New Features amplete, and BEST SEED CATALOGUE ever published. Mailed for ter and cost per copy. Name this paper, send ten cents (aliver or stamps) and with we shall send a 18-cent packet of either Burbanit's Unique Floral Novelly, new, dwarf, meaty, bright-red, earliest Tomato,—"Quarter-Century," d you object to paying ten cents for a seed catalogue (even though it is worth a dollar) a postal card for Burpee's "SEED-SENSE" for 1901,—a "strictly business" ninety pages. W. ATLEE BURPEE & CO., PHILADELPHIA, PA.



BIG APPLES

Green's Nursery Co., Rochester, W. Y.

BIG STRAWBERRY

GREEN'S FRUIT GROWER

'erry's

mest reliable Seeds the be bought. Don't save

The Lincoln Pear

W. E. Jones Co., Lincoln, III.

SEEDS

of our Red Cross Our

#### Farm With Your Heels Up.

TRUE DWARF ESSEX RAPE CURRIE BROS., Farm Dept. U., Milwaukoo, Wis

> Omaha and World's Premium Corn "PRIDE OF SALINE." and E a d receive two bushel Pound Ears Send S a d receive two busines research.
> Postpaid 56c. Circulars.
> H. HOWARD, Marshall, Mo CYCLONE CORN HUSKER

HARDY OFFICIANDS, TREES

**GAIN ACRES** BIG SEED OFFER, 150

INAUGURAL TICKETS

\$20.25 WASHINGTON, D. C., & BALTIMORE
AND RETURN.
On sale March ist. 2nd and 3rd, Through elepsers and diving care.

ors and dining cars,
Ticket Office, cor. Broadwa and Chestnut Sta
E. E. Cowles, Ticket Agent, Big Four Houte.

BEARDLESS SPRING BARLEY neders. Nifeer to handis than oats; riside as muon to sore, worth double for sale or feed. Sown Apr 10th. out June 28th. Best early pig feed. Clear seed it bag or car load lois. 55 bus and upward 75 cts. per bushel. Special prices in large quanti-ties. "Am. A" bags lots. Write the grower, GEO. M. WILBER. Marywille, Ohlo.



#### For Fruit Growers

**FERTILIZERS** Bone, Muriate Potash, Sulphate Potash, Acid Phosphate and Kainit. FUNGICIDES

INSECTICIDES

Arsenate Lime, Paris Green, Arsenite Lead, Whale Oil Soap, Kerosene Emul-

W. S. POWELL & CO., Baltimore, Md.

cause the bees work for him for nothing, and board themselves and no effort was required on his part. It would seem that there may be some truth in this, when we see a beekeeper walk out am hives on a fine day, just at this most critical period, and finding bees flying nicely from every hive, decide in his mind that the bees are all right and in fine condition, and turn away and leave them without touching a hive. No time in the whole year is it so important to find the ndition of every hive as at this time Nor does it require our attention at this time only, but from this period on,until entirely out of the winter with every col-ony in first-class condition, and as strong as we can get them in numbers, with

# GREAT CROPS OF SMAL

AND HOW TO GROW THEM. To duced on an acre. In his experimental QUARTS each of the large berries. -(in Sy SOIENTIFICALLY HREEDING of big betries that sells at sight to excite outs mers. The prent comes of big betries that sells at sight to excite outs mers. This book—is you all a THE OHEAPEST PLANT is the one that will give you the best I will and mo afford to play second field on the market by using sorup plants. The only at afford to play second fiddle on the market by using sorub plants. The only stock of scientific grown throughbred plants in the country for spring planting. Send you address at once and group of this book and a revised edition for three years FREE. Address. B.M. KELLOGG. Three Rivers, Mich.



Cow Peas, Whippoorwills Wanted.

Clovers, Timothy, Millet, Cane, etc. Correspondence and offers solicited SCHISLER-CORNELI SEED CO., ST. LOUIS, MO-

## 500 Dollars For One Ear of Corn.

SEED CORN Of Highest Germinating Power.
FARMERS' INTEREST (White Gent)
REID'S YELLOW DENT.
Two grand, good varieties that swept he boards
the year, High prize takers at all bis corn Of Highest Germinating Power.

# THE SUDDUTH PEAR

Has stood an Eighty Years' Test. Absolutely Blight Proof. Hardy as an Oak. An Annual Bearer. Attains Enormous Size and Age. Fruit of Superior Quality. Complete booklet free on application.

We Carry a Complete Line of General Nursery Stock.

Write for our complete Price List of all varieties of fruit and ornamental Trees, Plants, Shrubs, Vines, Roses, Bulbs and Forest Trees. Seedlings. Mailed free.

AUGUSTINE & CO.,

BENERAL NURSERYMEN.

NORMAL, ILLINOIS.



SEED CORN A SPECIALTY. 81 PER BUSHEL.

J. R. Ratekin & Son, SHENANDOAH, IOWA.

STRAWBERRY PLANTS.

Fruit and Ornamental TREES 60 VARIETIES Strawberry plants, 20.00 per Grapevines, Small Fruits, Flowering TREES Stook free. H. W. HENNY, LaPorte, Indiana.

"PRIDE OF NISHNA,"

AMMOTH WHITE ARTICHOKE SEED for asle. The most prolific, the essiest grown and the healthlest hog feed that can be produced on the farm. For particulars and prices address GE J. A. ARNOLD, Haydon, Phelps Co., Neb.

AMCICAN GATACHING Separate Issues, 10 cents. Published at 186 Liberty 8t... New York.

ARTICHOKES. J.E. HAYNES, Ames, Ill.

Seed Sweet Potatoes. 12 best kind. 22 to 83
per berrel; plants ready May 10th.
\$1.50 to 20 per 1000.
Asparagus, Palmetto, Col Mam.,
White and Conover's, Strong 1 year
roots 25.00 per 1000.
Rhubserb, Mystt's Linnaeus \$4.00
per 1000.
F. O. B. Descriptive Price List Free
PEEBLES, IHLE & CO., Cobden, 111

Gage Co., Nurseries. 50,000 Apple Tree,

20,00 Cherry Trees, 40,000 Peach Trees. Grapes, Small Fruits, Evergreens. Apple Grafts made to order. Write for price list. Address

A sample dozen plants of that grand new Straw-berry, "Senstor Duniap," sent postpaid to any ad-dress for only 30c. This bonama offer is made in order to get my little catalogue before "Rural World" readers. Send today and have your orders booked. Address EDWIN H. REHL, BOX 91, North Alion, Illinois. MONEY IN BEES.

Seind for our 40 page catalog FREE. Gives
full information about bees, hives and all
up-to-date supplies and methods. Address
JAO. REBEL & SON, High Hill, Mo.

SOJA BEANS MEDIUM At \$2 PER BUSHEL. W. E. CAMPBELL, Rosemond, Ill.

CABBAGE SEEDS and PLANTS of undoubted purity and excellence. Pedrigreed stock. Price list Free Tillinghast Seed Co., LaPlume, Pa. A STRAWBERRY PATCH for \$8,00. Our big four combination offer, 200 plants, 50 each of following four fine varieties. Seaford, Star, Excelsior and Gaudy. Sent by mail or express to any part the United States, prepaid. F, B. D. No. 3 Ernest Gauntt, Marion, Ind

TAPK TREES SUCCEED WHERE
Largest Nursey. OTHERS FAIL,
Fried Rose Free, Result of it year' experience,
STARE BROS., Louisiana, Mo.; Dansville, N.Y.

GINSENG. All about this money-making plant for 3 cent stamp send to-

Address
J. A. GAGE, Beatrice, Neb.

WRAGG TREES Bost in Thirty-First Year.

Manual of fruits—complete in all departments FREE specialities Fruits and Evergreen Trees.

WRAGG A SONS CO., WAUKSE, IOWA.

## Live Stock.

larch 2.—Kirkpatrick & Sons and W. P.

iaroh 8.

Jacks, stallions, muies
tand-Chinas.

Jand-Chinas.

Jand-Chinas.

Jacks, Hol.—T. J. Wornell, Mosby, Mo.

Jacks, Hol.—T. J. Wornell, Mosby, Mo.

Jacks, Holland, Mosby, Mo.

Jacks, Holland, Mosby, Mo.

Jacks, Holland, Holland, Mosby, Mosby and E. K. Thomas, North Middletown.

Y. Sale at Kansas City. Shorthorns.

Harch 12.—Gifford Bros., Manhattan, Kan.

Shorthorns.

Harch 12.—H. O. Tudor, Holton, Kan.

Shorthorns.

Cowan, New Point, Mo.

Shorthorns.

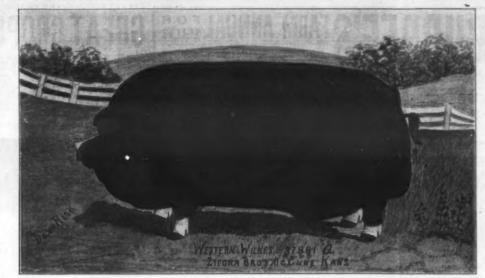
March 28.—B. O. Cowan, New Point, Mo. Shorthorn sale at Kansas City. Mo. Mar. 27.—Combination Galloway cattle. Chicago, Ill.

April 18.—Boone Co. Shorthorn Breeders' Association. Columbia, Mo. ation. Columbia, Mo. 23.—N. H. Gentry and June K. Shorthorn cattle. Kansas City.

King. Shorthorn cattle. Kansas City.
Mo. april: 22 and 22.—Two days combination
sale; 100 high-class Shorthorns, from
herds of June K. King, N. H. Gentry.
Gentry Bros. and W. P. Harned.
SHORTHORNS.
March 5.—T. J. Wornell, Liberty, Mo.,
and J. G. Robbins & Sons, Horace, Ind.,
at Kansas City, Mo.
farch 6. 1901.—Abe Renick, Winchester,
Ky., and E. K. Thomas, North Middleton, Ky., at Kansas City.
farch 28.—W. B. Rigg, Mt. Sterling, Ill.
Lipril 12.—C. C. Bigler & Son, Hartwick,
Iowa.

March 25.—W. B. Rigs. Mt. Sterling. Ill.
April 12.—C. C. Bigler & Son, Hartwick,
Iowa.
April 18.—Boone County Shorthorn Breeders' Association, at Columbia, Mo.
May 12.—M. E. Jones & Co., and S. E.
Prather & Son, at Springfield, Ill.
HEREFORDS.
May 21 and 22.—C. A. Jamison, Peoria,
Ill.; S. H. Godman, Wabash, Ind.; and
others, at Chicago, Ill.
ABERDEEN ANGUS.
March 14.—H. M. Gittings, Disco,
Ill.
March 14.—H. M. Gittings, Disco,
and Seeley, Kansas City, Mo.
April 23-30.—Haley Bros., Harris, Mo., and
others, at Kansas City, Mo.





One of Zeigra Bros, herd boars. See advertisement of sale to take place Feb. 27.

farmers for a few years in any communications changes in the stock raising such a district would be evident. B

The company who for the firm at the St. Louis office of this firm, has been transferred to the firm at the St. Louis office of this firm, has been transferred to the firm at the St. Louis notice of this firm, has been transferred to the firm beilieves that the change will enlarge it its sefunests to the live stock business of the grant Southwest, and make it able to serve the interests of its patrons better to have, and we suggest to RURAL WORLD read of the Evans-Sinder-Buel Company and say to him that we asked them to do so.

HABY BEEF.

The day of the three and four-year-old steer for fancy beef is passed. The best stime is most.

Harper Associtation, At Springfield, III.

Farther 2 on a few years in any community ration the statement of such a district would be evident. But company and say to the interest of its patrons better than the statement of the patrons better than the saked them to do so.

HAT A. T. Atwater, secretary of the Evans-Sinder-Buel Company, who for 25 years has been in the St. Louis office of this firm, has been transferred to the kname city office. Shippers to this popular for the firm believes that the change will enlarge it its serfulness to the live stock business of the grant Southwest, and make it able to serve who do business in the Kansas City stock market that they call not have any touble in getting them to drive where two larges and the control of your township or county is established for protromany t

preeds used on the herds of even a few FEED FOR HAND-RAISED CALVES. ST. LOUIS NATIONAL STOCK YARDS I have had very good success in raising Market Report Furnished by Evans-Sni-calves by hand out of a pail. We never der-Buel Company.

Receipts during week ending Feb. 16 were 11,194 cattle, 44,273 hogs and 4,725 sheep, against 12,235 cattle, 41,330 hogs and 5,339 sheep the previous week. Compared with corresponding week a year ago cattle show decrease of 500, hogs 1,500 and sheep 300. Receipts at the four principal markets were 122,661 cattle, 406,800 hogs and 106,100 sheep, against 107,200 cattle, 330,500 hogs and 104,900 sheep the previous week. There were received the corresponding week a year ago 106,400 cattle, 331,800 hogs week a year ago 106,400 cattle, 331,800 hogs

hogs and 104,900 sheep the previous week. There were received the corresponding week a year ago 108,400 cattle, 331,800 hogs and 132,500 sheep.

CATTLE—Receipts in the native division were moderate, and included very few good, and none strictly choice or fancy. Very best grades sold near steady with the close of last week, while the medium and fair to good grades showed a decline of 10 to 15c towards the middle and latter part compared with the close of last week. Very best grades were steady, while the common and medium were 10 to 15c lower. Receipts from Kentucky and that portion of Tennessee above the National Quarantine line were moderate, prices on best grade steers steady, common and medium 10 to 15c lower. There was a good inquiry for stock heifers, and bulk of stock heifers, and bulk of stock heifers, and sout 16c higher than last week. Top of the veal calf market was \$7.40, bulk selling at \$6.00 to \$7.25 per cwt. We sold the best cattle here this week at 4.66 for Brandon and Delerling of Wakenda, Mo; they averaged 1,166 lbs. There was a good inquiry for stock bulls. Best grades cows and caives were full steady, a good demand prevailing; medium sold slow.

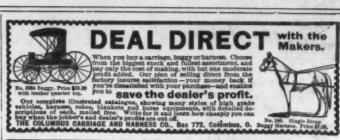
The following quotations are based upon

FEEDING FOR BEEF

The first one was given by a Canadia expert and the other by J. G. Haney of the Kansas Experiment Station.

FIRST METHOD: In our judgment, and we have fed many cattle, there is

little to be gained in cutting up good hay to be fed to cattle, except to mix with straw or other less palatable food, in order to make it go farther. Cattle, like ourselves, become tired of a monotonounixture, fed meal after meal, so we would consider it wise to feed the hay, roots and chop separately, as each is palatable and nourishing. Our method has been to give the roots first thing in the morning, efore dinner, and about 6 p. m. Give hay immediately after the roots each time, and after breakfast and supper give the grain ration, and more hay at night. When the grain is fed after hay, it is brought up again with the cud and thou oughly masticated; whereas, if it is fed on an empty stomach, it may escape thorough mastication and digestion. Many successful feeders prefer the chop mixed with cut hay, and we can see no disadvantage in such a course. SECOND METHOD: A steer while fat-tening should be fed all it will eat. After on full feed, it eats very little roughness.



Shorthorn Cattle Bates and Bates Topped. As good blood as the breed contains. Imp. Nonpareil Victor 122773, Imp. Blackwatch 152534. Grand V tor 115752 and Windsome Duke 11th, 121622 in service. Young stock for sale. Come and see or address GEO. BOTHWELL, Nettleton, Mo.

#### IDLEWILD SHORTHORNS!

SHORTHORN BULLS FOR SALE! Baron Thorndale 198,000; Dark Hoan or April 28, 1896 at \$200. or will trade him for heifers. Also 6-year bulls by Baron Thorndale and out of dams of Easterday and Secret, these strains have been in the hei-since 1886, and are great milkers. Call on or address.

# The mixed hay would be preferable in every case. To balance the ration, dropping fractions, 10 parts of corn and 4 parts each of bran and cottonseed meal short-horns scotch Top and Bates mostly. Berkshires best blood in America and England

gives about the proper proportions. A Stock of all ages and both sax for sale. Call on or address, N. H. GENTRY, SEDALLA, MO.





Comments of the comments of th





## Horseman.



It is now understood that Riley B., od. 2:11%, will races of the Rich Hill Fair Association. Both of these horses are owned at Rich

The Nevada Driving Club of Nevada, Mo., have leased the track at that place and have joined the Southwest Missouri short shipment racing circuit. This circuit is now completed and the stakes buy a saddle horse and continue the jouropened by the four meetings amount to 1822,000. The dates of meetings as now finally arranged: Holden, August 6-9th; assured him that the location would be in Harrisonville, 13-16th; Rich Hill, 29th- a section where the land was "good as

to balance the ration. The corn and clo-ver should supplement each other, one fur-nishing the carbonaceous and the other ver should supplement each other, one for inshing the carbonaceous and the other he albuminous constituents of the food. The albuminoids or protein for food can-The albuminoids or protein for food cannot be obtained in as cheap form as in good clover hay. It should be more general, and the landlord told me that he knew of a likely young mare for sale, but it

growth and builds up the physical system.

After full growth it is not so important, as
the carbonaceous foods will austain life
and working power. Thus Indian corn is a good food for working animals, but a very poor grain food for young, growing stock. It does not contain near the per-centage of nitrogen, or rather protein, possed by oats, wheat bran, barley, peas, clover, etc. Hence the latter furnish a much better food for the growth and de-velopment of colts, calves, lambs, pigs,

Although a private letter we have taken Every word written by our good frie with the greatest interest:

Oakland, Cal., Feb. 6, 1901. My Dear Gov. Colman: I send another chapter for the RURAL WORLD which trust may prove satisfactory though I apprehend it may be too long to suit you. In that case you can dispose of it as you see fit. It struck me that reminiscences of 40 odd years ago might interest olders, and if you can find room for them ill send you continuations of the story. I will send you continuations of the story. Some striking features. I made a race with the landlord referred to, putting up wo acres of land against Tom, but his granted. The owner of the place let down wife would not agree, as "the boy" was a part of her marriage dower. I spent the most of our winter in St. Joe, and that was a decidedly lively town then.

"That's a mighty fine, an extra fine,

You will please me greatly by acquaint-You will please me greatly by areasty the first man; plty that she has the big heads ing me of how well you are, after the many, heats you have gone. I judge there is not much difference in our ages; the 16th of meet April I will be 76. With the sincere hope that many, many more years of would not have associated the slight en-

ANENT THE JOHN A. M'KERRON CASE.

Editor RURAL WORLD:—Yes, Mr. "Mambrino Jr.", you may be all right in your premises. No doubt you think you are, so will grant you the satisfaction of feeling content in your "Ipse Dixit." But it has always been an axiom in my many thas always been an axiom in in many pears of experience, dating back, say, 40 ment.

Years on the trotting turf, "that a man to lose was entitled to a chance to win." Will not see the application until he explained not see the application until he explained in the set of th years on the trotting turf, "that a man to lose was entitled to a chance to win." Will you kindly inform me wherein Mr. Dev-

his horse, trotting for no consideration, an address to a stranger.

as far as the owner and the horse are conAnd it was not long until we were mu ned be handicapped with a record be-his racetrack record, when he had chance to win anything whatever, ex-

mamprino, Jr."?

Dear Governor, I am glad to look at you once again. 'Tis now many years since I had the pleasure of meeting you-for the portrait of yourself on horseback "was as natural as life." With good wishes, faithfully,

R. BOYLSTON HALL. 28 Berkeley St., Boston.

Horse Owners! Use Caustic Balsam A Safe Speedy and Pesitive Cur-feet, Book BLISTER over used. Takes all lintments for mild or severe action. Sunches or Blemshes from Horses. SUPER EDES ALL CAUTER (O. Impossible to preduce scar or blemsh. 77 hottle sold is warranded to give actisfaction 3 i.50 per bottle. Bold by druggist, or 77 capress, charges paid, with full directions as Soud for descriptive circulars.

LAWRESCONWILLLAMS CO. Covenand Q.

My First Trip to Missouri. By Joseph Cairn Simpson.

ough without referring to records I am ite positive regarding the year, my est trip was made to Missouri. At all rents it was one of the years when the ansas war was on

Cansas war was on.

There were three of us in the party. An ide gentleman from Southern Pennsylvania, a partner in some land speculations and also a neighbor and myself. We started from Sabula, Jackson county, Ia., in the early part of May. A good pair of horses, a covered, easy riding carriage the equipment for the journey, and the trip to me an enjoyable one from the start. The old gentleman, however, was not pleased with Southern Iowa and the northern part of Missouri, over which our route lay. There was a scarcity of water even that early in the year, and the "overshot wells," the paucity of springs and streamlets was not a good augury of a Where corn is raised on the farm as the cheap grain food for stock, clover should lands" of his own country. I was tolerate balance the ration. The corn and clowestern Missouri. Had read and inquir-

erally raised and fed.

It is very important that young stock of all kinds should have plenty of nitrogenous food, for it is that which produces from the angle of the control of the cont were selling for there at that time, was none too high for an animal of her stamp. I noticed that there was a slight swelling on each side of her nose, but the blacksmith explained that by telling me that in knocking out one of her teeth the punch had slipped, inflicting the injury. A saddle of course had to be purchased and the only one to be had was a Mexican, which I was informed was far sup-rior to the flat saddle for a long journe In place of the carpet bags which ot well adapted for an equestrian outfit, ough a private letter we have taken perty of publishing the following-word written by our good friend is read by horsemen everywhere priced one in the store—the ride would have been pleasant. To me it was like sitting in a tree fork, though I was com-forted with the assurance that when used to it, it would be as easy as sitting in a rocking chair. By the way that was a false prophecy, though, as I did not get used to it in the ride of several hundreds of miles, the prophets could not be authoritatively put in the front ranks of the regiment to which King Solomon said all belonged. About noontime I stopped at a farm house to get dinner and have my mare fed. The request was cordially

mare; pity that she has the big head."

I had heard of that disease, of course, but from all that I had learned supposed health and happiness may be in store for you, cordially yours,

JOSEPH CAIRN SIMPSON.

JOSEPH CAIRN SIMPSON.

and he replied: "Maybe, but when you go away I can ell for certain."

He left a couple of the bars up. I knew that was a good test for spavin in the incipient stages, when the enlargement of the hock did not show, as the foot and leg would be swung out to overcome the obstacle in place of a direct upward move-

that if affected, after cooling out, she ereaux, the owner, I believe, and driver of would show stiffness, that being more ap-John Hill McKerron had any chance would snow strings, that being more apparent when stepping over the bars. The test confirmed his suspicion. She had the big head. It was dusk when I reached Cleveland Driving Club, as a club entry, for the silver cup offered by the Boston Club. He and his horse won the race, and the Cleveland Club won the trophy, not Mr. Harry Devereaux. Now, why should man in the usual courteous language of

And it was not long until we were mutual acquaintances, as much so as many obtained to when he had no chance to win anything whatever, except glory?

I certainly cannot see the justice of the decision and I most certainly hope the National Association, or, rather, the board of review, will think over the matter, and do not agree with you that they "will write themselves down a lot of assess by reversing their decision."

This trophy is not yet won. It must be won for the Club, not for any individual comer or his horse, three (3) times in as many years, and I am not quite positive in my mind at the moment that it must be len consecutive years, though that is my impression at this writing. Therefore thave put upon his horse a record betances, seems to not be a reach in the performances of his horses are on a plane of rapid increase, it seems to me that such a set back as this decision will be of untold injury to the trotting horse industry—A shandleap on the breeder—than anything that has occurred in recent years. As the amateur and the performances of his horses are on a plane of rapid increase, it seems to me that such a set-back as this decision will be of untold injury to the trotting horse industry—Certainly, the gentleman who drives horses for pleasure only, and the clubs now existing and being formed, to increase the interest in this sport are of more benefit to the breeder of the trotting horse than all the public races that can occur. Their ambition, demonstrated by the high prices they are willing to pay for good stock, is a boon to the breeder. I cannot look at it in any other light, can you, Mr.

"Mambrino, Jr."?

Dear Governor, I am glad to look at you once again. "Tis now many years since I had the pleasure of meeting you way to Kansas to take part in the strift, tual acquaintances, as much so as many

ing horses in Lexington, which had net-ted him many hundreds of dollars and a better collection of horses in the spring than he had in the fall. He was on his way to Kansas to take part in the strife, and our course was the same to Platts-burg, where the land office was located By daylight he appeared still better. A tall, good looking young man. He had made the journey from Louisville to Hannibal by steamer, bought the horse in the last named place, but had taken the precaution to bring his saddle from

ated by his choice of a steed. A chestnut relding, rather under the medium size, of high form and so much quality that he was what his owner claimed him to be, was wast his owner claimed him to be, horoughbred, or so nearly so that he had all the marks of aristocratic lineage. I could readily notice that he admired the big gray mare and it was not long be-

fore he "stumped me for a trade."

"This little horse," he said, "while he carries me as stoutly as any one I ever rode, does not 'fall in' with a man of

over six feet and a length of legs that for you, at least six inches shorter and to pounds lighter, travel over the whole o pounds lighter, travel over the whole state of Missouri and you would not find her back to Kentucky."

I resented the slur implied, by mating her with a jack, and he smoothed that over as adroitly as David Harum could have done. But when I told him that

trade horses with at home are cute chaps, up to all the dodges, and there is glory as well as money in getting the best of them. But I would disdain to take advantage of a gentleman who is a greenhorn in the business, and in proof of what I say you give me \$30 to boot and that is surely \$70 or more below the difference." I declined his offer and when he intro-duced the subject again replied that if he would give me \$30 I would agree to the

When within about six miles of Plattsburg there came a thunderstorm, the rain falling in sheets. We sought shelter in a farm house, tied the horses under cover and for an hour or more there was a con-tinual downpour. Just before leaving the house my traveling companion said:

little; how will you trade?"

I answered that if he preferred the mare to his horse he could change the saddles, or I would give him \$5 and leave the equipment, except saddle bags, just as they were. He made a quick change of saddles and bridles, with the remark that the saddle was a present and that he had never used any other kind. Like shutting down the gates of the waste weir of a milldam, the rain stopped as suddenly as it came.

The sun was nearing the horizon. clear space for some distance above the sky line, though there were still heavy masses of clouds:

The cloud you saw near close of day, A dark, foreboding, shapeless thing. When tinged by sunset's magic ray, A thousand beauties o'er it spring.

Some grand cloud effects in California but none which equal those of the western country when a thunder storm is immedi-ately succeeded by a bright sunset. Surpassingly beautiful that May evening in Northwestern Missouri. The air purified so that it was a pleasure, an exhilaration in breathing it, "the sweet habit of existence," doubly sweet from the surround

We traveled leisurely. My comp more loquacious, the "cooler air," it may be inspiring him, and he laughed and talked and "chaffed" me over the poor

trade I had made.
"Mind you, now," he said, "that it was your own offer. The horse is all that I represented, but this grand young mar is worth a stable full like him. But a lansurveyor is not likely to know much about horses. See the difference in the riding.' Both horses were "gaited" and he was Both horses were "gaited" and he was an accomplished equestrian from a Kentucky saddle horse point of view. Quite in the dusk of the evening, when we put the horses in the stable at Plattsburg, and after supper, my lately acquired friend entertained the crowd in the bar room with his stories, principally horse. He intended making an early start in the morning, ordered an early breakfast, presented his hand to bid me good-by, when I told him that both on account of his uncle, who was my warm friend, and himself, I would bid him God-speed and join him in a stirrup cup, at least a metaphorical one, if good wishes could represent the ardent potation of a "duc an darrach." He stepped into the narrow stall, slipped the bridle on the mare, undid the rope around her neck, stood in front of her with his hands on each side of the bit and backed her out on the floor. No rapture expressed in his eyes or lips. For set his hands on each side of the bit and backed her out on the floor. No rapture expressed in his eyes or lips. For set his hands on each side of the bit and backed her out on the floor. No rapture expressed in his eyes or lips. For set his hands on each side of the bit and backed her out on the floor. No rapture expressed in his eyes or lips. For set his hands on each side of the bit and backed her out on the floor. However had one, agreement the floor of the himself of the himse an accomplished equestrian from a Ken

MAMBRINO, JR.'S, SCREED

Editor RURAL WORLD: Some unregenerate, unsanctified and unwashed "son of a gun" from somewhere out along the line of the old "Jo" road had the unblush a better, if as good." "Then," he continued, "there is another reason; that mare of yours will be a grand one to breed mules from, and if we swap I will take here to Kontuck to described and which, to my mind, has not

been vouchsafed to human ken.

I have written the guilty party that, to satisfy my quest for vengeance upon his devoted head, I have taken the liberty "forewarned was forearmed," and that I would be loth to take the risk of an encounter with so noted a champion of the horse exchange.

"No risk at all," he replied. "The men I trade horses with at horse the horse with at horse with at horse with at horses with at horse with at horse with at horses with at horse horses with at horse horses with at horses with at horses with at horse horses with at horses with at horses with at horse horses with at horse specimen may be chased to his favorite stamping grounds and rounded up for the inspection of my correspondent and his modest (?) friend. What looks funny to me is that while he

was at it he didn't ask me a "hard" one Most any crossroads stableman can probably put them on to plenty of just such horses as described in the accompanying letter—in their mind. Having some re-gard for the "eternal fitness" of things, this deponent is free to confess that he doesn't have any idea where to direct our inquiring friends. One condition I wish to impose upon them is, if they find the kind of horse wanted, they are to give bond and security to have him on exhibition at the great Missouri state fair to be held at Sedalia, and may I be there to see. You will note that the graceless wretch in-"I have talked a good deal, you very ttle; how will you trade?" line somewhat foreign to his announce predilections. How did Bro. Clement com

to omit Konants, 2:28, from his Missour list of Wilkes bred stallions? MAMBRINO, JR. Peakesville, Mo.

New Cambria, Macon Co., Mo., Feb. 12, 1901.

A. J. Buckner, M. D., Peakville, Mo.:

Dear Sir:—Wonders will never cease. A
fellow sneaked in here and bought to drive, he said, a stallion I've had many years. A friend of mine here who owns a super-annuated stallion asked me today whither should he steal to get a stallion. I told him to go and see you right away.

He made me vow I would write to you or information, advice, inspiration and evelation too.

I told him that the horse he wants is

n Mars as far as I know. He wants a sire of 1200-pound horses uch as a farmer should use to go to church, as well as raise crops to sell to pay the preacher and the milliner-hors that have souls to save and not to kick with and at the azure sky; horses that are horses, not hornless shorthorns; not gray



quick to remove the inflammation from any bruise or rain. No blister, no hair gone, and se the Horse. ABSORBINE rem e, and you car soft bunch in a pleasing manner. \$2.00 per bottle of regular dealers or delivered.

W. F. YOUNG, P. D. F., · MASS SPRINGFIELD, . MASS.

Also manufacturer of Taubleum for horses feet.

D. R. THOMAS, Momett, Mo. reeder of Horses and Jacks, Sherihorn Caitle oland-China Hogs, Barred P. H. Chicken and rome Turkeys. Eggs and young stock for sale.

#### FOR SALE! Percheron and Coach Stallions

Jersey Heifers and Berkshires, C. Brown Leghorns, L. Brahmas, and B. Lang in Cockerels, \$1.00 each. ROOTS & KIMZEY, Tamaroa, Illinois

### 2 Jacks For Sale!

One dark gray, coming 4 yrs old; will be 16 hands and weigh 1100 lbs

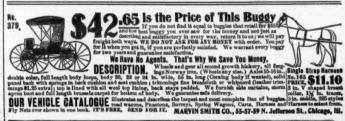
will be 16 hands and weigh 1100 lbswhen matured.
One black, coming 6-year old, 15
hands, very heavy bone and body, a
quick performer, sure foal getter and
splendid breeder. Will sell cheap.
Would take a good young grade draft
stallion as part pay. For particulars
apply to S. S. BRANDT,

Montgomery City, Mo.

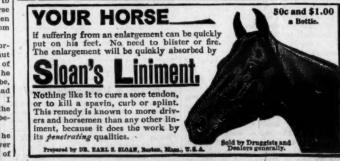
# connected with his protect to stable. He laughed with apparent heartiness over the affair, but the promise he gave that he would write me on his return to Kentucky was not kept, though it is not centrely improbable that the Kansas trip, made in those troublous times, resulted fatally to him. (To be continued.)

ST. LOUIS NATIONAL STOCK YARDS THE LIVE STOCK MARKET OF ST. LOUIS. ed at Hast St. Louis, directly opposite the city of St. Louis

National Stock Yards.







a keeper or a fractional part thereof, and not faster galted hitched by halter than tug. In short, an animal bigger (with cap-ital B) than trotter or thoroughbred, and ower, especially when fast to a post, etc.—a horse not so big as a with a corn crib in it from front to and hay mow quantum sufficit.

If you know of a stallion such a stalli

friend wants, one that is for sale, he (friend) will sell out and pay what he spare on the horse and give a note balance signed by nearly every farmer the Chariton River, if not from the ntic to the Indian Ocean. I might co along with him for company and to se the horse and the soil producing such but I am fearful I would rob my frien and possibly murder him or suicide should In the possibly intruer him or suicide should I not get one, too, i. e., get a horse. I am in dead earnest and would like to hear from you. The horseless age is upon us, but the mareless era is hidden by the

loudy dawn.

My grandmother and aunts used to drive Canadian horses—all mares, pro ably. I am sorry our forefathers are go and more so that the Canadian steed is but a title for poesy. I hope, too, you will have Bro. Heaton to admonish people on the doctrine of paying stallio E. L. WILLIAMS.

ED. F. JOLIDON, ELVASTON, HANCOCK CO., ILL. IMPORTER OF

### Percheron Horses.

A choice collection on hand. All blacks, mostly coming 3 years old, some older. Absolutely the best that money and experience could procure. Anyone wishing to purchase an t-class young stolk. I also have on hand two bases and the seemy stock. I also have on hand two bases allowed the seem of t

THOROUGHBRED PERCHERON STAL-LIONS AND MARES, BLACK. Three aged and 8 young mares: 1 aged and two 4, and one 5-yr-old staillons. Jerseys, A. J., C. C., all ages. Will sell cheap. H. V. P. BLOCK, Aberdeen, Mo.

ENGLISHED POLLED CATTLE L. K. HASEL/TINE, Dorchester, Green Co., Mo

PERCHERONS—A few young, black, reg. stallions and mares at low prices. Also 320 acres Kansadland.

A. M. WALKER, Laclede, Mo.

#### ARTHUR STERICKER IMPORTER OF HACKNEY and CLEVELAND BAY HORSES.

e selection of stallions on hand from 3 years for sale at very reasonable prices. Write to JANESVILLE, WISCONSIN

HEREFORD CATTLE N. E. MOSHER & SON,
Salisbury Mo.

CEDAR VIEW AND GROVE HILL

SHORTHORNS
e 119296 at head of herd. Young stoc Call or write.
POWELL BROS., Lee's Summit, Mo.

80 SHORTHORN BULLS and HEIFERS For Sale. They were sired by the famous Rec Butterfy 190704, Grand Victor Leonard 185844, and the \$435 bull, Duke of Hardson 120907. First and last pure Orulekshanks the other two Crulekshanks crosses. Five roans, others reds. Good individuals For prices, etc., address w. H. H. STEPHENS, Bunceton, Mo.

EDGEWOOD HERD, POLLED DURHAMS. The largestand best bred herd west of the Missis sippi River. Bulls for sale. A. E. BURLEIGH, Knox City, Knox Co,, Mo.

FOR SALE 14 Black Jacks Kentucky and Tennessee breed, to 5 years old, 14% to 16 hands high R. M. JOHNSON, Bolivar, Polk Co., Mo.

VALLEY VIEW JACK FARM. Mammoth Jacks and Jennets sale, from 15 to 16 hands high, ad A. L. ESHBAUGH.
Festus, Jeff. Co., Mo.
35 miles south of St. Louis.



Easy Harness Eureka Harness Oil



### Gentry Bros., Sedalia, Mo.



Grand Duke of Hazelhurst 19540s, assisted by Waterloo Duke of Cedar Vale 188065, heads our herd of pure Bates and Bates topped, pure Scotch and Scotch topped cows of the most fashio

Stock for sale at all times at reasonable prices. Parties met at train. Farm two miles out. TELEPHONE NO. 30.

# **30**-HEAD OF JACKS-30

T. B. BRIGHT & CO., WILL HOLD THEIR

Big Sale of Jacks at Fox & Logan's Livery Stable, in

DANVILLE, KY., FEBRUARY 28, 1901.

15 head of them range in size from 15 to 16 hands high. Catalogues mailed on application. T. B. BRIGHT & CO., Lock Box 634, Danville, Ky.

BLACKWATER SHORTHORNS! F. M. MARSHAL, Prop.,

Herd headed by the Cruickshank Bull, Orange Hero, by Godoy. Females are of pure 8 re Bates, with individual merit the standard. Young stock of both sex for sale.

CRYSTAL SPRINGS SHORTHORNS



#### German Coach and Percherons.

Three importations of these two familiar breeds in 1900. Our buying facilities are unsurpassed, as the oldest member of firm lives in Germany and owns a couple of big stock farms. Therefore, intending buyers of firm y American buyer can! Therefore, intending buyers of first out their interest by coming direct to our place and compare stock and prices with those of other dealers.

OLTMANNS BROS.,

"Pasteur Vaccine"

PASTEUR VACCINE COMPANY, CHICAGO. Branches—Kansas City, Omaha, Ft. Worth, San Francisco.

# Poland-China Brood Sow Sale

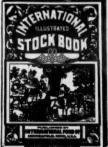
THE ROYAL OF THE WEST! HIGH-CLASS PEDIGREES AND INDIVIDUALS BOTH. Kansas City, Mo., Saturday, March 2, At New Live Stock

recumseh id, Chief Perfection 2d and Perfect I Know for line breeding. And Hadley Jr. blood for a complete out-cross on them. 60 head of the from two great herds including a consignment of 10 from the young but aiready popular herd of T. H. Masten, of Kansac City. Bred to and in these great stress: Hasck Queen's Chief, the 1,000 lb. Chief Tecamseh 2d boar; Perfect Boy, winner in class and headed the sweeptakes young do not four to win first as get of one boar at Des Moines last fall. Kansas Perfection and Perfection Chief. 2d by Chief Perfection; Simple cloth of 1 Am Perfection, Hadley X: u Know and Hadley U, S., the best two sons of Hadley Jr.; the \$380 Chief Eculpsed, Majestio Know and last but not least, the 1000 lb. Allerton Tecumsch. Five of the sows sired by Chief Tecumsch 2d. 1 Chief Perfection 2d. 7 Chief I Know. 4 Per-fect I Know. 4 Chief Eclipsed, 12 Hadiey 17., 3 Missouri Black Chief, 1 Black U. S., 1 Klever's Model, 1 Look Me Over, 1 Hidestretcher and 20 granddaught-ers of these royal sires. Did you ever see this equaled? Catalogues ready. They give full information. Sale at 1 p. m. in steam-heated pavilon. Guesta stop at 8tock Hotel. Can ship by frieght to nearly all points without transfer and save expense. Ask for catalogue.

COL. J. W. SPARKS, Auctioneer. T. W. MORSE, Clerk.

KIRKPATRICK & SON, Wolcott, Kas. W. P. GOODE, Lenexa, Kas.

# \$3000 STOCK BOOK FREE



We will mail you a copy Free, \*\*\* POSTAGE PREPAID, If you write us and answer 4 questions: 1st-Did you ever use "International Stock Food" for Horses, Cattle, Sheep or Hogs? 2nd-Is it for sale in your town in 2stb, paile?

This book contains 183 Large Colored Engravings of Horses, Cattle, Sheep, Hogs, Poultry, etc., with a description of the different breeds.

This congraving shows the beautiful design of outside cover which is printed in 6 brilliant colors. The size of this book is 9% for 9% inches, and the engravings cost us over \$3000.00.

WE WILL GIVE YOU 214. WORTH OF "INTERNATIONAL STOCK FOOD" IF BOOK IS NOT AS STATES.

WE WILL GIVE YOU \$14. WORTH OF "INTERNATIONAL STOCK FOOD" IF BOOK IS NOT AS STATED.

"International Stock Food" is a perfectly age vegetable stimulating tonic and phoof purifier. Fattens Cattle, Hogs. Sheep or Horses in 30 days less time and saves grain, because it greatly aids digestion and assimilation so that coch animal obtains more nutrition from all grain and the state of t

# BUCKETS OF WORMS

Then Every Hog of a Car Load Gained 3 Lbs. Per Day For 60 Days.

OSCHOLA, MISSOURI. INTERNATIONAL FOOD Co., Minneapolis, Minn. DEAR SIRS:—I have just fed "international Stock Food" to a car load of shoats and they made an average gain of 3 lbs. every day. "International Stock Food" beats all kinds that I have ever tried and I have fed several kinds. Hoge all around me were dying with Hog Cholera and I never lost a hog. After they commenced eating "International Stock Food" you could fill a bucket with worms that had passed from them. I think that my car load has made a wonderful gain by using your Food.

Yours truly, J. W. SHERRILL.

# Home Circle.

THEY TWO.

They are left alone in the dear old hom After so many years
When the house was full of frolic and fun,
Of childhood laughter and tears.
They are left alone; they two—once more! Beginning life over again, Just as they did in the days of yore, Before they were nine or ten.

And the table is set for two these days; The children went one by one, Away from home on their separate ways, When the childhood days were done. How healthily hungry they used to be! What romping they used to do! And mother-for weeping-can hardly se To set the table for two.

They used to gather around the fire While some one would read aloud, But whether at study or work or play, 'Twas a loving and merry crowd.

And now they are two that gather ther
At evening to read or sew, And it seems almost too much to bear When they think of the long ago

Ah, well! ah, well! 'tis the way of the

Children stay but a little while, And then into other scenes are whirled, Where other homes beguile, But it matters not how far they roam, Their hearts are fond and true, And there's never a home like the dear old

Where the table is set for two -Mrs. Frank A. Breck in Youth's Com

Written for the RURAL WORLD. RITING FOR THE PRESS. NO. 2.

Since finishing my first paper on this subject I find I have omitted to answer several general questions, and failed to give information sought by those who tell me they have had "little schooling," and wish to know how they may improve

Well, there are many excellent writers for the press who have suffered from a like lack; but who by practice, perseverance, and careful observation have done ch toward self-improvement. Errors in much toward self-improvement. Affors in spelling, punctuation, language, construc-tion of sentences and division into paragraphs are of common occurrence in man uscript, and where they do occur repeatedly from the same author, are a source of considerable annoyance to all through whose hands it must pass; but these disadvantages are readily overcome, if one really wishes to improve. Ignorance of such matters is no longer an acceptable

Authorship, however, is largely a matter of temperament. The author, like the poet, is born, not made, tho'-given a degree of the "divine spark"-much can achieved by earnest cultivation. If one is really and conscientiously anxious to improve whatever talent for composition he or she may possess, the work of de-velopment is not difficult. You must first have an abiding faith in your own abili-ties, so strong that you will allow no difficulties to discourage you—no bug bear of failure to dishearten. You will meet onty of them on the road to literary

If what you have to say is worth put If what you have to say is worth put-ting in type, or if the editor is "short of copy," these errors will be corrected be-fore your manuscript passes into the fore your manuscript passes into typo's hands; but it will be vastly velcome if it is in no such need.

If you can spare ten minutes a day, or r a week, you can, in a short time thoroughly master the simple, or elemen-tary rules of grammar, and the spelling book; and if you happen to have, or car obtain a good school rhetoric, it will help you to study that. Your improvement depends altogether on how anxious you are to "get on."

If you find your command of language r, you should begin the enlarger of your vocabulary by readings from the best author you can find. By "best author," I do not mean the most interesting; but the one whose taste in the use of lan guage is the most critically exact. Read a paragraph, selecting therefrom all the words with which you find yourself unfamiliar, and at your earliest convenience, look them up in the dictionary; note care-fully the sense in which they are used in fully the sense in which they are used in the selected sentence; if they come under your eye again, see if they are used with the same meaning as at the first time. The meaning of a word varies in different sentences. Make sentences yourself, con-taining these words in their various meanings, thus thoroughly familiarising your-

e a word in your own writings, le over it in the writings of another, without a thorough understanding of its various meanings-so thorough as to enable you to at once define it, if such a one, and we look upon and treat him exactly as if he were human. He goes to bed at night, to sleep as quietly thought up the meaning of all unwith a few idle moments, get your dic-tionary, hunt up the meaning of all unonyms of each, if any are given, and that the meaning of them also. In this way you will find that every word has its own individual place to fill, and no other will do its work. For instance: I quote from crabbe's Synonyms: "Continue means to children that I know would do. If any children that I without any qualifications; while the other terms are all species of continuing, hey include likewise some collateral meaning which distinguishes them from the first, as well as from each other."

will not only increase your discernment of the judicial faculty that is the basis of true culture.

Learn to observe, both with your mental and physical eyes; compare various ob-jects, making mental descriptions of each in as new a set of words for each descripthe right word in the right place. If you have any doubts as to its fitness for the

place, take up your dictionary at once.

Does this seem like work? Well, there
is no excellence without labor, and there
is always an "Alps" between you and "Italy." There is more, much more, to do

MRS. Has been used for over sixty years by millions of mothers for their WINSLOW'S children while teeth-soothing cess. It soothes the child, softens the gums, alleys SYRUP all paint cures wind colle, softens the gums, alleys SYRUP and is the best remedy for diarrhoes. Sold by Drugists in every part of the world. He sure and ask for 'Mrs. Winslow's Sothing Syrup," and take no other kind. Twenty-five cents a bottle.

than the little I have told you, before you can make your fortunes with your pen point. You must have something to say, and say it better than others can say it; a reneral knowledge of affairs-not only those of your own little world, but of a wide sweep, and an ability to put it on pa-per so attractively that your readers will be sorry when the last word compels them to lay down the paper. It is not easy work, authorship; but to one who loves literature, it is attractive, and if you never receive pecuniary reward for your pen pecuniary reward for your pen
you may comfort your heart with
the that you have done the best you

The world cares not one whit to know. work, you may comfort your heart with could in your chosen line, and that all your ink and stationery have not been thrown away. thrown away. Wright Co., Mo.

Written for the RURAL WORLD.
A REVIEW.

The other day I went to a small room re use as a "catch all," intending to put to rights, when, in sorting the contents a big chest, I came across a bundle of pers. A whole year's collection of the imbers of the RURAL WORLD, looking crisp and clean that I sat down, Turk ashion, on the floor and began to read nem totally forgetting the object of my reach, totally forgetting the object of lay presence in the room. To be sure, I had read them once, but we like to meet our friends as often as possible, and I found the sensible, cheerful letters printed in ose columns as interesting as when read for the first time. I don't confine myself to the Home Circle, but go "pikin' round," into the horse lot, and cow yard and pig pen, and Mr. Miller's horticultural corner, and enjoy myself everywhere. When I was asked if I had finished my work in the lumber room I felt guilty, for I sat there eading until it grew dark and I could no nger see.

"Idyll." don't you think the magic wand that fairy queens and godmothers used n olden days has been bequeathed to us nortals in the shape of the pen? I know yours can make me feel as if I were "a ative" of the section of Miss

ou are now living.
"Country Wife," I give you my heartfeld ympathy. I have worn a "country wife's" hoes, and know just how hard they pinch. How many times has the hot summer week been spent in garden and field hoe-ing, weeding and helping "get up the load" for market, consoled by the thought of the "day of rest" awaiting at its end, when one could swing in the hammock in the enticing shade of the maple and read me delightful book or just "loaf.

And when Sunday came to have to scurry all morning to set things to rights and get ready in time for church services. Then a walk of a mile through dust and heat and back again, congratulating one's self on the "forehandedness" that one had shown in setting the table and arranging the dinner so that there wouldn't be much to do to get it ready, only to find one's labor vain, owing to a batch of self-invited guests, ranging in number all the way from four to eight. Not "auld acquaintances," mind you, whose presence you would hail with joy, even if you had nothing to offer them but salt and cold water! But most of them were casual acquaintances, or utter strangers, whose ole motive in visiting you was because you lived in the country!

Brother Lyon, I must cross words with you about that remark of yours regarding dogs. Why, I'd as lief wake some morning and find all the birds and flowers dead sances, it's the fault of the owner (and their owner's sons), not theirs. A dog that is "sic'ed" at things and kicked and cuffed and half starved and half frozen can't be good. And I can not express my self forcibly enough in condemning that numerous class of people who keep to pack of curs with the serene faith tha Providence will provide, if not by sending ood to the dogs, by at least sending the dogs to where they can obtain food, no matter at whose expense. And as for keeping "watch dogs," great savage creatures, chained in a yard where they are more liable to injure the innocent than the guilty; what good do they do? Thieves, who know their business, don't care a button for them. Neither is there any sense in a man having a yard full of hounds howling around when he never goes farther west than the North and South road to hunt, and about the only game around now consists of three or four half-grown rabbits and a couple of Tom cats. In the wilder parts of the country watch dogs and hunting dogs are necess ties, but in cities and their suburbs they In these modern days the dog, to mo

people, is simply a luxury and should

taxed as such. We need companionable dogs that realize the dignity of their mem-bership in the family. Dogs that are real friends, docile, intelligent and quiet; that inderstand what one says and are a source of pleasure and comfort. We have formilar words used in what you have read, and also the different words used in the morning when we do, and trots around all day beside us, never going off the place unless we say: "Barnaby, you onyms of each, if any are given, and find are invited to attend!" when we go away.

In this way Perverse, persist, pursue, prosecute, are synonymous with continue in that the idea of not setting aside is common to all give assurance of his sympathy. I give assurance of his sympathy. I give assurance of his sympathy. I give assurance has tittle brown dog for

WHAT CAN YOU DO. Mel. Miller

What can you do? What can you do? That's what the world is asking you. Not who you are,

But this one thing the world demands What can you do with brain or hands? What can you do? That is the test The world requires; as for the rest, It matters not,

What can you do? What can you do? That's what the world keeps asking

With trumpet tone,
And that alone!

Ah, soul, if you would win then you Must show the world what you can do? Once show the world what you can do. will quickly honor you And call you great;

Or soon, or late. Before success can come to you, The world must know what you can do Up, then, O soul, and do your best!

Meet like a man the world's great test What can you do? Gentile or Jew, No matter what you are, or will,

Be brave and show what you can do!

-Ex.

Written for the RURAL WORLD APPRECIATED NEIGHBORS.

What a comfort a good neighbor is! I have several, but one in particular who sympathizes so thoroughly with me in my trouble I may have. I feel an intense est in her welfare and of all her

family.

She knows just what is the matter if one of the big fat hens droops, or if the ducks persist in turning "somersaults" and staying wrong-side up, as some of mine did. She knows what's the trouble with the baby if he happens to get sick. She knows a remedy for all sorts of ills, ties up cut

try column if the "Silver Campines" are a good breed of chickens? What are they

Are any of the Home Circle readers members of the "Sunshine Club?" I think it is doing a grand work, and really it is the only "woman's club" I do heartly approve of, although I suppose it is not con-

wonder if I know any of the writers who write under nom de plumes. I have never heard any one mention ever having heard of me before. I receive so much cheer from the letters of other sisters. In a book of Margaret Sangster's there is a chapter on "Hopefulness," and the end of it is "Look up and not down; look out and not in; look forward and not back, and lend a hand." We know that to live with some one who is jolly and bright and always agreeable is a cure for low spirits. Some people are like a rubber pall-cannot be permanently depressed who have a silver lining for every cloud. I believe every one of us who is inclined to be downhearted at times can by an extra exertion, shake off our despondency. Cheerfulness is conducive to cheerfulness. Patience, no matter what is our appointed lot, is a wise prescription for us all to take. Let us remember that

"One stitch and another stich, and the largest rent is mended; One step and another step, and the long-est way is ended."

ur lot and life be pleasant or unpleasant there must be an end, and if the most weary of us will only take each day as it comes and try to go through it cheerfully, that day will have been ended and with it one less of life's turmoil and trouble. It is cheerfulness, patience and love, and a good stock of each, that carry us through in this world. If we, with our husbands and children kneel before the Kind Father each night and earnestly ask for guidance and patience, I firmly believe our lives would be made easier. It's so easy for farmers to drop out of the habit of prayer, so much to do they have not time to thank the Lord for all his kindness. I believe if the husband will not or cannot lead in family worship, then the wife should. The grace at meals should be said by the husband, but if he will not do it, then, little wife, take up a double task and see if de doesn't admire you for it, and become more tender and loving. These will be the links which will bind the family together, and a home with a religious at-mosphere is one which God blesses abund-

antly. Even if you have little faith in yourself and feel that it would be embarrasstry it and ask for help and see how easy it will be for you to pray with you loved ones. I am not experienced. I am young and very inexperienced, and have many trials and troubles of my own, but I always want to say a word of symnew experiences which bring new care which require patient love to properly a just.

BLUE BELLS.

mome," he turns and trots to the house more obediently than two-thirds of the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would do. If any the children that I know would any that I kitle brown dog for the finest 'iblooded' annimal of any kind in Missouri. No, sir! We also have a dog which, I am ashamed to own, belongs to another class. However, he was a vagabod that it 'just came,' and with whose early training we had nothing to do. He is intelligent enough, but 'idead sot on havain would say. There are some things, however the corn would say. There are some things, however would not the could be imitated to advantage. Every morning this winter, for in that cap the corn upon the hungry creature, comiss would say. There are some things, however were dinto a sait shaker by taking a fruit that are home in a strange land. I would like to have a very handy salt shaker to use in the providence takes care of, and bestows the corn upon the hungry creature, comiss back with a grin of satisfaction on his face that would do one good to see.

Nancy, I have thought of you many and many a time this winter, and wondered how you are getting along in that eaw home in a strange land. I would like to hear from you. Why don't you peen the work of the corn upon the hungry creature, comiss back with a grin of satisfaction on his face that would do one good to see.

Nancy, I have thought of you many and many at time this winter, and wondered how you are getting along in that eaw home in a strange land. I would like to hear from you. Why don't you peen the corn upon the hungry creature, comiss have been removed and punching the land to the first Written for the RURAL WORLD, THE HANDY BOY.

Poultry Yard.

RAISING PEAFOWLS.

Editor RURAL WORLD: Mr. Marshall wishes to know something about raising pea fowls. If they are like the ones I eave her nest. After the little ones are natched, the hen takes care of them and loes not bring them up to the house or barn till she gets ready, which may be when the chicks are about the size of quails; if she is a wild hen, she may not ome up till they are nearly grown.

They are a long-lived bird, if the roup

oes not get among them. They are no subjected to disease than other fowls. I got the roup in my flock once, it coming from the turkeys. In June the tail feathers must be plucked from the male birds, or they will lose all their feathers. Always be gentle with your birds, and they will become so tame in time that they will take food from your hand. Shelby Co., Ill. S. ROGERS.

THE TRAFFIC IN GEESE IN BERLIN

The domestic goose holds about the ame honored place in the nutritive econ omy of Germany that the more delicately flavored and patrician turkey does in that of the United States. It is the standard luxury of the German people, and during nine months of the year forms the princi pal feature of the table at festive as well as every-day entertainments. Although every German village has its

fingers with the dexterity of a surgeon; no matter how badly they happen to be cut; she does not turn white and faint away. falls far short of the constant demand, matter how badly they happen to be cut; she does not turn white and faint away, fails far short of the constant demand, in fact, she is just the kind of a neighbor I am glad to have, and wish you each had one like her.

Will some one tell me through the poulations, which come mainly from Russia. The season for this traffic is now at its highest, and the receipts of Russian in the Russian in the receipts of Russian. geese at the Rummelsburg station, in the southeastern quarter of Berlin, average about 15,000 daily. A special goose train of from fifteen cars on ordinary days to thirty-five or forty on Mondays, brings the birds from the Russian frontier. The cars are specially built and rigged for this service and carry each about 1,200

> Immediately after arrival, the whole train load is inspected by a corps of sani-tary officials. The fat ones are then dis-tributed among the dealers and market men, while the others—and these include the vast majority-are sent to be fattened at farms and feeding establis outlying provinces.
>
> The inspection is exceedingly rigid. If a

single goose dies en route or is found sick with any disease that can be communicated to others, the whole carload is placed in quarantine for a period of eight days. Should another goose die during this period, the whole lot is kept in quarantine eight days longer at a cost of about 2,000 marks (\$475), whereby the loss of the owner becomes so enormous that he is driven to the most extreme care and precaution in all future operations of the same kind. This is the real object of the system—to make the penalty of introduc-ing diseased birds so severe as to render such practice ruinous to the perpetrators. In certain cases, where the evidence of neglect or infectious disease is not con clusive, the lot is taken to the city abat-toir and killed under supervision of the sanitary police, after which such as are found to be free from disease are releas for sale at a special auction held in the central market hall, whence the trade name "auction geese" which applies to those which have been slaughtered under police supervision. Those which show no trace of disease, but have been unavoid-ably injured in transit and are otherwise in good condition, are called "Bracken, and are sold to certain dealers who retail them for reduced prices at a special mar-ket beside the great market place, where the poorest and most frugal Berliner can find something adapted to his purse.

The aggregate wholesale traffic in geese at Berlin amounts annually to nearly \$2,-000,000. To the ordinary observer, all geese are very much alike; but the expert dealers here divide the Russian birds into twenty-one different breeds and cate gories, which now command in the Ber-lin market, according to species, age, size and conditions, wholesale prices varying from 43 to 60 cents each, though the prices advance with those of other poultry as the season lengthens from autumn into winter, the great climax of the trade being just

"HENS' TEETH."

Men know all about this subject; but we must write a few words for the boys, says the "American Stock Keeper." There is a striking adaptation of the digestive

the outside, so that the food, when let into the gizzard from the crop is ground as between the upper and nether mill-stone. This grinding is facilitated by the mixture of gravel or other substa which the fowls take from time to tim

as needed.

In a healthy fowl the work of digesti is very thorough. Gastric juice is forme kept a few years ago, Mr. Marshall will in glands above the gissard and poured in during the grinding process. As fast the young ones, as the old hen sees to that have very little to do with the raising of in during the grinding process. As fast the young ones, as the old hen sees to that as the food gets to the right condition it herself. My experience is something like passes from the gizzard to the intestines, this: The pea hen will steal her nest Carnivorous birds or those living exclusome time in June and lay her eggs. I sively on flesh or fish, have no such grind-don't think it ever lays over eight; six is the most I ever had one hen hatch. Don't undertake to find her nest, for if you should and touch the eggs, the hen will contrive a flying machine any better

Some people lose sight of the fact that the male bird is half of the flock, says the "Poultry Visitor." Discard every male bird that is defective, or not up to requirements, and replace him with one a near perfect as you can possibly obtain.

A few dollars difference in the price should not be allowed to stand in the way, as a poor specimen for a breeder is dea

POULTRY POINTERS.

JOHN R. GARBEE, Billings, Mo., in newing his poultry advertisement, says his letter: "My wife, the boy and all love the RURAL WORLD." Mr. Garbee breeds the White Holland turkeys He has left three large young toms which to insure quick sale, will go at \$5 each. He has a good stock of S. C. B. Leghorn cock-erels at \$1 to \$2 each. Read his advertise-ment and write for prices. Mr. Garbee is reliable and conscientious, and will give stomers satisfaction.

J. E. SUMMERS, Huntsville, Mo., ha me B. P. R. cockerels for sale at \$1 each to close them out quickly, and also an especially fine lot of young M. B. turkey pecially fine lot of young M. B. turkey toms that are well marked; have large bone, and weigh from 28 to 31 pounds each Mr. Summers is anxious to close all these out, and they will go at low prices to RU-RAL WORLD readers. We can recommend this stock. He also has some goo Poland-China pigs of fail farrow that wi be ready for spring use.

AGREAT BOOK ABOUT A GREAT MA-CHINE.



The new Cyphers Incubator catalog is without exception the handsomest and most complete book ever issued in the interest of the pouliry industry. It contains 224 pages (8xil inches) with more than 200 new illustrations representing the highest art of the engraver; the cover is a symphony of delicate gray tints with just a dash of red, and the text is devoted to sensible, practical poultry talk which every poultry raiser ought to read. It is an extremely beautiful book and as useful and practical as it's handsome.

The Cyphers Company puts out with every machine they sell one of the strongest guarantees we have ever seen on any machine of any kind. And the beauty of it is every poultryman in America can rest assured that it means exactly what it says.

rest assured that it says.

We know that every one of our reader will be interested in this magnificent catalog. Send 10 cents to pay postage, and asl for Book 61, Address Cyphers Incubato Company, Wayland, N. Y., Boston, Mass. New York City, or Chicago, Illinois.

POULTRY PROFITS.

The biggest side issue of farming is poultry raising, and it can be made positively profitable, if carried along with some degree of forethought. The very first thing to do is to get a good incubator—the Victor is one of the very best. Let the hens do the laying, feed them up and keep them up to the laying point, but do not waste chances in setting hens. The utmost care will not prevent hens breaking eggs and leaving the nest. The Victor is so very simple, so strong, almost self-regulating, that it is much easier to handle than even oneself-willedhen, while it takes



ore eggs than a score or more of to results, the incubator pro-ch greater proportion of chicks hardly possible there is a chicker hens. As to the state of the st before and during the Christmas holidays, when goose in every form, from the plain "Gaesenbraten" of the laboring classes to the pate de fois gras of the epicure, dominates the tables of the festive season.

FRANK H. MASON,

Consul-General.

Berlin, October 18, 1900.

> Duroc-Jerseys and W. P. Rocks. Young stock after Sept. 1 ·t. Eggs for hatching, it per 13 or \$2 per 30. Address, R. S. Thomas, R. F. D. No. 4, Carthage, Mo

EGGS FOR HATCHING From properly mated yards. Barred and Buff Rocks and S. C. W. Leghorns. Best strains, \$2 for 15, \$5 for 45. Circular, ED. C. WEEKS, Eldon, Mo.

SILVER SPANGLED HAMBURGS \$1 each for \$5.50; Eggs \$1 per 15.
THOMAS VICKERS, Walker, Vernon Co., Mo.

PRIZE WINNING White Holland Turkeys and Barred Plymouts Rooks. Eggs in season.
Address Miss Mary L. Schaal, Lexington, Mo-EGGS, "YES" EGGS,
Large pure stock; all Thoroughbred. White Hol
land Turkeys, eggs 20 ct. seach. White and Barre
Plymouth Hocks, Golden Wyandottes, S. C. B
Leghorns, Pekin Ducks and White Guineas. Al
eggs 10c each. Order any kind wanted is order an
up). John R. Garbee, Box B W. Billings, Mo.

WON 1st and 2d on my Toulouse geese at the St VON Louis Poultry Show, Jan. 1991; also 2d on Pekin Ducks. Birds for sale. Write for prices, fine pullets, \$1.50 each. Eggs in season, MRS. EUGENE HOLLAND, Highland, I

IDEAL POULTRY FARM,
J. M. STONE Proprietor, breeder of 8. L. Wyandottes, White Laugsbans, White Indians, Buff Cochins, 8. C. B. Leghorns, Golden 8. Bantams, white Guineau, Mammoth Bronse Turkeys, and White Chins Geese. Eggs in season. (Box 9). Hinton Boone Co., Mo.

Many a Valuable Fowl

has been killed by coarse, splintered bone in the crop, and the loss attributed to hen cholera. Hen cholera is a myth. Feed properly and there will be no trouble. "How to Make Poultry Pay," tells how it is done. It is free. Send for it.

E. C. STEARNS & Co., Box 66 Syracuse, N.Y.

INCUBATORS

POULTRY

29 FIRST PRIZES and 4 specials

BONZE Turkeys—Won 1st on tom, scored Wid. las pullet pen, Northeast Mo. Poultry Show, 1990, is sarling toms, B. P. Bocks, very large, B. Lang-lans Jennie Wilcozen, Bowling Green, Mo.

BLACK LANGSHANS.
Only fine birds for sale. Write for pricee.
JACOB HETRICK, Wahoo, Neb

500 BARRED and WHITE

PLYMOUTH ROCKS Cookerels for sale from \$2.00 to \$5.00

each. Well-bred and of high quality.

P. ROCKS EXCLUSIVELY for 18 years.

SPECIAL BARGAINS!

M. B. TURKEYS,

PRAIRIE HOME POULTRY YARDS.

BUFF ROCKS S. L. Wyandottee and S. S. Hamburgs. Good game, try J. E. HAYNES. Ames, III.

**BLACK LANGSHANS** 

Barred F Hocks, 20 occarrels and pullets, scoring 92 to 96% by Ben S. Myers to sell. \$1.50 to \$5. Write your wants. JOHN HETTICH. Bowling Green, Mo

REED TO LAX—Barred Ply. Rooks and Pekin Ducks; prise stock, extra large bone and well barred for sale cheap. MRS. G. F. TRESCOTT, Winfield, Mo.

LIVER PLUME POULTRY FARM—Lt. Brahmas exclusively: W. Holland Turkeys, Imperial fokin Ducks, W. China Geese, Stock for sale. Eggs in season. From other yards B, P. Rock and Blk. Langshaa Citi. M. Benway, Brookfield, Linn (O., Mo.

50 BARRED P. ROCK Cockerels for sale some extra good ones; eggs in season. Address

WHITE and BUFF BOCKS and PRKIN DUCKS as good as the best; eggs in season, \$1 per 15.

J. B. FLEMING, Mexico, Mo.

HITE HOLLAND TURKEYS, from 16 to 29 lb. hens. White Plymouth Rocks from 96 point ok. Mrs. M. A. CAMPBELL, Rosemond, Ill.

FOR SALE!

1882., EGGS \$1.50 PER 15., 1901. High-class Lt. Brahmas, Buff Cochins, Black Lang-shans, Barred Ply. Rocks, S. L. Wyandottes, scores © to 95. H. T. REED, CAMP POINT, ILL.

eavyweight barred P. Rocks breeding cockerels (Montank Strain) even in color, nicely barred, iso eggs for hatching, 'rices reasonable. Albert atgesell, Alfred and Scanlon aves., St.Louis,Mo.

BARRED ROCKS, c'k's all sold, hens and pul-breeding yards contain all our 180°s, 44.60, 86. Our 1801 breeding yards contain all our 180°s winners and the representation of the property of t

ACK Langehans, Robinson strains. Eggs from best, \$1.50 for 15.\$2.50 for 30. J. A. Thompson, wk Point. Mo.

HITE Rock cockerels for sale, \$2 each. Eggs \$1.50 per 13 R. B. Hume, Floriseant, Mo.

HOICE B. P. R. Cockerels \$1.25 each; Eggs \$1.25 for 15. White turkey eggs \$2.00 for 10. Berk-shire swine. G. W. McINTOSH, Monest, Mo.

UFF Orpingtons. Eggs f om best birds, prize win ners, 83 for 15. Geo. S. Townsend, Troy. Mo.

WE PAY \$24 PER WEEK to man with rig

AT REDUCED PRICES

16 or 12 tries of "lack Langshans at \$5.00 a trie. These tries are '92 to 94 by yearling and 2 year old hens and pullets mated to 35 to 534 bt. ckls. First orders get best birds. Mrs. M. L. SINGLE-TON. Wellsville, Mo.

Barred Plymouth Rocks,

is. Royal Mfg. Co., Dept. F., Franklin, Pa.

M. B. TURKEYS from Convention Hall Win K. C., 1901. - took for sale. Scored J. V. CHRISMAN, Box 346, Independence, M

Bronse Turkeys, Barred Plymouth thereis and Poland China Pigs of Black Me Over and Chief Perfection 2d strains.

J. E. SUMMERS, Huntsville, Mo

F. M. LAIL, Mar

D. T. HEIMLICH:

Jacksonville, Ill.

ustrated catalog of the b

EGG FARM. Stock equals the best. by as any. Young and old Brown and orns, Barred and White Fly. Rocks ros. Write to day for Circular to M. GEER, Farmington, Mo.

250 Poultry Pictures Tree. Address nearest office. Ask for book of HHERS INCUBATOR CO.,



They Never Fail

SHOEMAKER'S POULTRY Fowls, with lowest prices. Price only 15 cents 6. C. SHOEMAKER, Sez 116, Presport, Ili

tila Incubator Go. Box 25 Rose Will, N. Y.





Mann's New Bone Cutter



INCUBATOR

DON'T SET HENS

LADIES Have you even.

EGGS—From White Wyandottes white and Black Langeha Good stock at \$1 for 15 e gg. E C HOUGHENS, Ferris, 11. PURE BLACK BREASTED RED GAMES ols \$1.50; Hens \$1.00; Trio \$3.00; Eggs \$1.00 MRS. L. M. MONSEES, one Valley Farm, Smithton, Pettis Co., Mo B. P. Rocks (Latham strain), Some fine c'k'ls and putlets for sale. O. W. Heed, Prairie Hill, Mo

Silver Wyandottes!

High scoring White Langahans, Buff Rocks, egg: \$1.50. 10 White Langahan hens, first \$9 takes them Cockerels. Mrs. L. Mumpower, Chillicothe, Mc FOR SALE—Barred Plymouth Rock cocks from high scoring pens 75 cents et ch. Mrs. Wm. H. TAYLOR, Roanove, Mo.

OUFF ORPINGTON EGGS, \$1.25 per 13. HY. C. WAHLMANN, Red Bud, Illinois

DARRED PLYMOUTH BOCKS — Twenty - five cocks for sale. I breed the rocks exclusively. Farm raised. Eggs in season at \$1,00 per setting. W. L. MILLER, Pennsboro, Mo.

MAPLEHURST'S | ORNTURY EGGS.

E668 from Al birds in most popular or profitable classes vis.L. B.; B. L.; B. P. R.; W. W.; B. M.; W. and B. L.; G. S. Bants; P. D. and M. B.T. E668! From exhibition matings \$2.50 per 13, \$5 per 30; out of standard breeders \$1.50 per 13, \$5 per 30; \$6 hatch guaranteed. Express prepaid on 4 to 6 stitting orders. A few good South-Downs, Polands Collies at dhorthorns; low. Fank Foy, De Moines, 18. Box ;

W. B. DOAK, Russellville, Tenn.

WANTED—Salesmen for cigars; new plan, quick sales, good business, big money.
CONSUMERS' CIGAR CO., 634 So. 7th-st., St. Louis. OOK. 5 choice W.P. B. ckls. \$1.25 and \$3; 2 Buff B. ckls. \$2 and \$3. Mrs. J. E. MAY, Wilson, Mo. y M B. TURKEY won again at Convention Hall, Kansse City; seven Birds capturing eight prizes. A few left for sale. W. T. Jones, Independence, Mo., Box 258,

Fine Large Bronze Toms and Silver and Colder ver and Golden Wyandottes.
MRS. E. A. CREEL, Carrollton, Mo. MOTHERS If you fail to find a cure for Bed Cure guaranteed. Mo. Remedy Co., St. Louis. Mo.



DRINK HABIT Attentment taken at home by the DRINK HABIT patient which renders Whiskey, Beer, Etc., Obnoxious. endorsed by business firms of National Reputation. Write THE PAQUIN IMMUNE CO., Dept. B, St. Louis, Mo.

PLEASANT HILL POULTRY

cockerels. Good ores at \$1.00 each, a few extra ones at and W. Holtand Turkeys. Good young tom- at \$3.00 to 0 each. Order direct from this advertisement, we will give biris if not satisfied.

JNO, HEDGES & SON, Christian Co., Pana, III,



#### TRY Allen's Lung Balsam

FOR
THAT
COUGH
To will be pleased with
the results. Is contains no
opium in any form, and as
cough an expectorant is has no
equal.

Mothers will find it a pleasant and cafe re their children for whooping cough and At druggists, 25c, 50c and \$1.00 a bottle.





Dana's White EAR LABELS housands of practical farmers, breeders and veters arians. Sample free. A genta W anted. C. H. DANA. To Main St., West Lebansu, N. E.

FREE BOOK ON HOW TO Five Cents Per Hog Per Year. HOGS



POLAND-CHINAS.

a bred \$10, that are right. Personal is solicited. Jersey cattle for sale. BRNEST W. WALLEN, Monett, Mo

VIVION & ALEXANDER,

DUROC-JERSEYS.

Duroc Jersey and Berkshire Hogs! Extra ing. Satisfaction guaranteed or you may retur at my expense. S. C. WAGENER, Pana, Ill.

S. G. RICHARDS, Sturgeon, Boone
Co., Mo.
Breeds Hest Strains of DUROC-JERSEYS.
Write for Prices.

UROC-JERSEYS-70 head of pigs and sows, breezedy to ship. Satisfaction guaranteed.
N. B. SAWYER, CHERRYVALE, KAS. ROSE HILL HERD OF

Duroc - Jersey Hogs Bred gilts all sold. A choice lot of fall pigs for sale. Also six boars of spring farrow. A.Y. THORNTON, Blackwater, Mo.

BERKSHIRES.

Large English Berkshires, all ages. Write J. E. BURGESS, Macedonia, Phelps Co., Mo.

SHROPSHIRE RAMS. all yearlings, for sale; also my stud ram for sale or trade for one as good. Address L. G. JONES, Towards, Ill.

FARMS FOR SALE!

We have many first-class farms to sell in the best counties of Missouri. Should you contempte buying or trading for a farm write for our press buying or trading for a farm write for our press Bescriptive Catalogue.

RUTLEDGE & KILPATRICK REALTY CO., 117 Chestnut St., St. Louis, Mo.

LOWA FARMS \$4 PER AND CASH BALANCE I CROP TIL PAID THE AND THE PROPERTY OF THE PAID THE PAID

GET OUR FREE LIST of Farm Bargains. S. H. Morton & Co., Gen. Land Agta. Agricultural, Mineral, Coal and Timber Land Office. 331 Lincoin Treat Building. St. Louis,

Cash For Your Farm

FOR SALE-FARM 120 acres, 50 under plow. 3 miles from station, plenty of fruit, good spring, price \$5 per acre, one half cash. E, HOSMER, Marshfield, Mo.

FOR SALE-FINE STOCK FARM

### FOR SALE!

Two first-class Benton County, Osage River bot-tom farms, lying haif a mile apart, and five miles from Waraw, the county seak, two hundred and thirty-six acres in one, and three hundred and price and terms. Address: Other. For particulars,

Wm. S. Shirk, Sedalla, Mo.

C. Madson, Edw. Covle & Jos. B. Hensley



Photo by J. O. SHROYER.

# The Pig Pen.

Editor RURAL WORLD: Not many persons who were reared upon a farm or have spent any considerable portion of their lives in a rural community will ever forget butchering day. It is a day of un-usual activity to the older members of the

In some neighborhoods it is customary for several families or at least two or three to club together and help each oth-or out in this disagreeable affair. This is very good way and serves to increase ciability and teaches us that there is pleasure as well as profit in sharing each other's burdens.

There are many methods pursued in retting the vessel of the state of the s

getting the year's supply of meat. Some people sell off their hogs at 4 cents and buy them back in a few months at about 12½ cents per pound. This is a very ex-travagant as well as an inconvenient method of procedure. But there are othmethod of procedure. But there are others who desire to put up their own meat and be well supplied at all seasons of the year. We usualy butcher a small beef and eight head of hogs a year. About the first of October or perhaps in Seatonth. Let us all as members that the best continuous and the same and first of October or perhaps in September we kill a small hog, put it down in jars and cover with lard, or, if the weather is not too hot, simply pickle in brine. Later on we kill another, then a beef,

and about the time that is used up or some time in January or February we kill our summer's supply. After shooting and sticking we place the

og on a drag and with a horse have to place of butchering. A tripod with block and tackle like that in the illustration is very useful at this stage of the proceed-ings. The barrel can be set at the side of the place where the dressed hogs are to be hung and by means of a windlass or the derrick the hog can be scalded by lowering and raising. It can be scraped hile hanging or a couple of boards placed n trestles at the side of the barel will make a good platform. When cleaned raise up and swing over to the place where it is to be hung and adjust the gam-brel, and you have the hog dressed almost without a lift. It is a very tiresome job to drag, pull or twist at half a dozen three-hunrded pound hogs for half a day. This year we used one of the patent They are very rapid and can pe had of large department stores and some hardware stores for 15 or 20 cents. If you do not have one of these use a corn knife to remove the hair. In the best scald we got in dressing six hogs we put a whole pailful of cold water in a half barrel of hot water we used to scald in. A great many make the mistake of of the barrel to cool at least twice while scalding; a slow scald is better than a quick one and you can remove most of the hair from the feet while waiting for

J. O. SHROYER. Richardson Co., Neb.

TO CURE A COLD IN ONE DAY Take LAXATIVE BROMO QUININE TABLETS. All druggists refund the money if it fails to cure. E. W. GROVE'S signature is on each box. 25c.

PIG PASTURES.

Editor RURAL WORLD: I want to raise bout 40 or 50 pigs for fall market. They have begun to arrive already. I have no permanent pasture, but have five acres of ground I want to sow for pasture to may be obtained through me. No matter where bocated. Send description and seiling price and learn my plan. W. M. Ostranier, 1313 Filbert St., Falia., Pa-

A neighbor of mine has just lost II head of shoats from running on an oat patch about two hours. Do you think there would be any danger in turning hogs on

would be any danger in turning hogs on them in the early spring?

Lamar Co., Tex. JIM WALKER.

Had the shoats died from running in a patch of sorghum, it would have been more proof that sorghum is dangerous; but it is somewhat unusual to learn that growing oats were dangerous. We think the direct cause of the death of the shoats must have been something other than the oats, and should not hesitate to utilise them for grazing purposes. We will be glad to have our Texas readers advise Mr. Walker as to how best to use his five acres for hog pasture.—Editor.

At the meeting of the Standard Poland-China Record Association, held February 5, at Maryville, Mo., President E. E. Ax-line in his address said: No doubt it would be a great disappoint-

ment to all who know me if I should attempt to make a speech, as all know 1 could not do so. I will only call atten-tion to a few facts pertaining to the con-dition of our Record. It is very gratifying to know that we are still in a very prosperous condition. Business has been unusually good during the past year. Mem-bers of the Association are generally in-terested as will be shown by the number of pedigrees recorded and the numbe of shares sold and transferred. It is gener-Record now in existence. It is not only complete within itself, but is practically a consolidation of all the records. Our financial condition and standing are very good as is shown by the accumulation of funds in the hands of our treasurer. Our business is carried on in a business of the membership have to do all the business of the organization, as has been shown by the small attendance at the last few annual meetings. If the organization is worthy of the patronage of the breeder, it surely is worthy of a better representation of its membership at its annual meetings. I would suggest that each member present not only become more interested himself, but strive to interone feel that it is his duty to try to induce some other member to attend the meetings of the association and to feel a

China Record Association was recom-mended to appropriate the sums of \$250 to be used as special premiums to members of said association at the Swine Show to be held at Kansas City, Missouri, in

year.
Vice-presidents were elected as follows:
James Johnson, Arizona; J. A. Finley,
Arkansas; James Bolinger, Colorado; S.
W. Myers, Illinois; W. A. Paxton, California; Bruce Findley, Indiana; J.
Taynter, Kansas; J. West Jones, Iowa;
D. B. Garriott, Kentucky; C. R. Allen,
D. B. Garriott, Kentucky; C. R. Allen, D. B. Garriott. Kentucky; C. R. Allen, Mississippi; F. M. Lail, Missouri; S. R. Fos, Nebraska; H. H. Wing, New York; David Craig, Oregon; F. B. Hutchison, Okthoma Territory; P. W. Peterson, South Dakota; A. W. Parrott, Texas. GEORGE F. WOODWORTH. Maryville, Mo. Secretary.

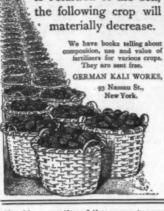
PIG PEN POINTERS.

THE L. A. SPIES BREEDING CO., St. The continued pasture for my hogs. I will first give my land does not drain well. Lot No. 1 of two acres, I have just sown in turf oats for pasture until May 15. Lot No. 2 of two acres is to be sown in sorghum for May and June. Lot No. 3 of one acre is two lot No. 1 in peas or sorghum for August and September. I also expect to plant peas in my corn field of 30 acres to turn them on about October 1.

It seems to me like a great many peas, but don't know anything better for this climate and season.

If anyone can help me in making a better selection and give better time for sowing, etc., I will consider it quite a favor. I am a beginner in the business and have but little experience in hog raising.

Two hundred bushels of potatoes remove eighty pounds of "actual" Potash from the soil. Unless this quantity is returned to the soil, materially decrease.



siderable proportion of these exports were turned into higher cost and higher priced products, or what effect they would have upon the prices that our hog growers are advised to "go for" is worthy of mont serious consideration.

TOPPING OFF.—A correspondent of a contemporary describes a new method of "topping off" pigs and making the flesh hard instead of flabby. About an hour after the animals have had their usual ration, whatever it may be, give each one a small quantity of dry meal of whatever kind is preferred. It is not to be mixed with any other substance, nor is it to be moistened in any way. The pigs eat it slowly, as they are compelled to do on account of the dryness, and will take a good half-hour to get through a small portion. The effort of this dry ration, eaten by itself about an hour after the usual feed, is to impart a firmness to the flesh which is difficult to obtain by any other method of feeding. The pigs appear also to enjoy the dry meal thoroughly.

other method of feeding. The pigs appear also to enjoy the dry meal thoroughly.

HUNGRY HOGS.—The John A. Salzer Seed Company of La Crosse, Wis., the great farm seed growers, have some splendid seed sorts to cure the hunger of the hogs and make them happy, fat, healthy and contented. In their Peasont, a perfect food in the green state, or in their great Glant Incarnat clover, or sand vetch, or cow peas or rape, they have heavy cropping, quick producing foods, that tempt the appetite of the swine, or cow, or sheep, or poultry, or horse. Every mouthful of this food seems to give contentment and adds feesh and fat. Their great catalog tells all about it. Have you seen a copy? If not, send for one to-day, enclosing 5 cents postage. It is worth \$100 to any wide-awake farmer.

S. Y. THORNTON, Blackwater, Mo, writes: Please tell RURAL WORLD readers that I have no more bred Duroc-Jersey gilts for sale. The demand has been so strong that I could not supply it. I still have a few choice boars of spring farrow and 60 fall pigs that are thrifty and of the good kind. I will endeavor to raise more pigs this year than ewes, and hope to be better prepared to supply the increasing demand. Your paper has sen me more good customers than three others I have advertised in. Please change my advertisement as per copy."

Mothers will find "Mrs. Winslow's Soothing grup" the Best Remeay for Children Teething.

## The Shepherd.

MISSOURI SHEEP BREEDERS' ASSO-

L. E. Shattuck, Secretary, Star

GOATS IN THE OZARKS.

Editor RURAL WORLD: I am only duce some other member to an estings of the association and to feel a meetings of the association and to feel a deeper interest in the welfare.

On motion of W. T. Garrett the Board 121 miles southwest from St. Louis. This is a rough country, covered with timber, and there is quite a lot of our lands that and there is quite a lot of our lands that then for the standard polaries. is better adapted for pastures than for any other purpose. The hillsides in many places are very steep, but the soil is a black limestone and very productive. to be held at Kansas City, Missouri, in 1901. That said amount if appropriated shall be apportioned pro-rata on all first premiums in regular classes, in which Poland-Chinas are shown at said show, as per list of premiums to be issued by the managers of said exposition. Said special premium or premiums shall be paid by the secretary of the Standard Association upon presentation of certificate of the president and secretary of said exposition.

y the secretary of the Standard of tion upon presentation of certificate of he president and secretary of said exposition certifying that the holder of said ertificate won the first premium in the class or classes as above.

Standard of the Standard of the bought from \$1\$ to \$2\$ per succession of the position of the said of the said of the said of the said of the word of the woods every morn of the woods every ing and returns to the barn at night for shelter. If the weather is very bad they prefer to stay under shelter. The only feed I have given them thus far is some corn and crushed feed. They prefer to eat having and hery in preference to good hay. The little kids, goatlike, prefer to sleep or rest on a board or log rather than on a bed of straw. There is a sill in my barn, about one foot from the ground delight in walking on the top of some steep precipice. They would make good rope walkers with a little practice. It does not take such a strong fence to hold them, providing there is nothing for them to walk up on. If there should be a rail down at one end they will all walk over. There is room enough down here among the hills of the Ozarks to make good sheep and goat ranches for many a one with limited capital.

Phelps Co., Mo.

necessarily diminishes. It is a great mistake. On the contrary, better care and feed enlarge the carrying capacity of the range, and ten acres in alfalfa will give much more feed than a hundred on the range, and immense increase in least favores. Their habit of browsing enables the favores of the finest fabrics among ladies' goods, and is used in various other manufactures. Their habit of browsing enables the favores. Some one may have non-breeding sows. Give them daily a gill of fine ground hempseed, in dry meal or corn and shorts or ground feed.

If you can fit up an apparatus easily for doing the work, it will pay to cook the small potatoes before feeding to the hogs; the hogs will thrive better, and the potatoes go further. PORK EXPORTS.—The exports of pork products from the United States for the II months of 1990, so far reported were at the rate of the incomprehensible total of 1,432,085,948 pounds for the year, valued at 8199,086,832, or a small fraction less than 7.75 cents a pound on an average. More than half of the total was fresh and pickled pork and lard, the low prices of which, as compared with bacon and hams, reduce the general average price. Compared with this trade that of the rest of the world in these products is infinitesimal. What the result would be if any con-

# Royal Bred Poland-China **BROOD SOW SALE**

ZEIGRA BROS.,

McCUNE, KAN., FEBRUARY 27, 1901,

26 Yearling Sows, 33 Spring Gilts and 13 Select Boars.

This is a select lot taken from over 300 head, all of our own breeding, the best of blood lines backed with individual merit is our standard. The sows and gilts are sired by and bred to our three great boars so as to produce best results, namely, Crawford to. Chief. by old Chief Tecumseh 2d, and out of Ina Wilkes (the Lail sow), Western Wilkes, sire U. S. Victor, dam Sweepstakes Wilkes, Model Beauty, by old Klever's Model and out of Fashlen Beauty 2d, a trio of boars hard to equal and a sale worth your attention. Write for catalog. But if you cannot come, send bids to our auctioneer, in our care, and they will be handled with honor.

ZEIGRA BROS., MCCUNE, KAS.

GEO. W. NULL, Auctioneer, Odessa, Mo.

done are two different things. The country can carry 100,000,000 sheep. In my experience the number has been as low as 17,000,000, and has risen as high as 50,000,000. What will be depends on price and profit, Reduce the prices, or agitate for price-reducing conditions, and flocks will de-cline; under present conditions and values they will increase annually. This has been the history of wool-growing, and the future will be as the past. From 1862 to 1867 numbers increased from 24 to 42 mil-lions—75 per cent in five years, and in mand and prices were steady, the intom rulings, resulting in reduction of price, numbers fell over seven millio with somewhat better prices increasing about five millions more in five years to 1894, when came the deluge, with universal destruction only prevented by the hop that the bitter waters would subside. Price is the barometer indicating in its fall storms and destruction as surely as that which measures the weight of the air we

oint, and very little wool for clothing was domestic 'consumption, over-production might have reduced somewhat both the supply of wool and goods, and, of course checking the increase.

There is one lamentable development of the progressive tendency to sophistica-

tion in this era of adulteration and dereciation, which is to be deplored. It was brought in with free shoddy a few years ago, when Secretary North foreshadowed the result of that fraud in teaching uncrupulous manufacturers how to com pete with the rotten wastes of woolens.

This is what Mr. North said of the origin of the recent enlarged practice in adu eration some five years ago:

"More shoddy goods are made in Eng-land than in all the rest of the world put together. They have learned there, by long experience, the art of utilizing to the best advantage every kind of refuse that comes from rags and wastes. Let it have but two cords, they will find a way to spin it. These were the goods with which American mills had at once to compete. In order to compete, it was Cheap as wool was, it was not cheap enough to compete with English and con

was the school of sophistication in which so many learners have found how to use all sorts of substitutes for hones

tensively in vogue—the mixture of cotton and wool, which is reducing the demand for wool. The arts of deception by which such adulterations are made to resemble cloth of pure wool are practiced successfully, deceiving all but experts. It is not because wool is dear, as no such thing was complained of fifteen or twenty years when wool was dear, but from the ago when wool was dear, but it in the greed of higher profits by assumed cheap-ness, after the manner of the makers of oleomargarine, filled cheese and corn flour. A new association for the extension of sheep husbandry represents the New Eng-land states. No part of the country can be more benefited by a revival of this in-dustry. It will utilize waste herbage, refor summer hotels and boarding-houses, and increase the resources and profits of agriculture. It is as much needed in other farm districts, especially in the West and South. There never before has been such demand for mutton or better prices, and never so good a supply in quantity and quality-but there is room for more.—J. R. Dodge, in "Country Gentleman."

CONCERNING THE ANGORA GOAT.

It is estimated that there are about 400, 000 Angora goats in the United States, and that our annual production of mohair is about 1,000,000 pounds. Although very lit-tle has been said or written about Angora goats during the last forty years, they have been extensively bred in the western states and territories, especially in Texas, New Mexico, Nevada, Florida,

California and Oregon.

Investigations prove that they are not only classed among the most useful of the domestic animals, and have been so classed to help in subjugating the forest. Their flesh is exceedingly delicate and nutritious; the milk, though not so abundant as with the milch breed of goats, is richer than cow's milk, their tanned skins, though in-ferior in quality to the skins of the com-mon goats, are used for leather; their pelts make the neatest rugs and robes, and they are excellent pets for children



# Twice-a-Week Republic

Congress

and STATE LEGISLATURES are in session and questions of paramount issue are under discussion. Now is the time to subscribe for the best medium keeping in touch with the whole world. It is DEMOCRATIO in politics but distinctly a NEWS-PAPER and Family Journal.

Remember

THE SUBSCRIPTION PRICE OF \$1.00 gives you two papers each week, 104 papers a year. It is printed every Monday and Thursday. Address all orders to

THE REPUBLIC, St. Louis, Mo. Rural World and Republic, either address, both for \$1.50 net.

"Invincible, Unsurpassable, Without a Peer,"

Writes a regular subscriber, who has read it for many years, of the Twice-a-Week issue of the

#### St. Louis Globe-Democrat

andthis is the unanmous verdict of its more than half a million readers. It is BEYOND ALL COMPARISON, the biggest, best and cheapest national news and family journal published in America. It is STRICTLY REPUBLICAN in politics, but t is above all A MEWSPAPEE, and gives ALL THE NEWS promptly, accurately and impartially. It is IMDISPENSABLE to the Farmer, Merchant or Professional man who desires to keep thoroughly posted, but has not the time to read a large daily paper, while its great va-riety of well-selected reading matter makes it an UNVALU-ABLE HOME AND FAMILY PAPER,

Two Papers Every Week. Eight Pages Each Tuesday and Friday One Dellar For One Year. Sample Copies Pres. GLOBE PRINTING CO..

ST. LOUIS, MO. Rural World and Globe-Democrat—Either Address, both for \$1.50 Net.



#### For HOG CHOLERA

The Snoddy Remedy. A Positive Cure and Preventive.

Only one Dr. J. H. Snoddy and one SNODDY REMEDY for Hog Cholers which is made only by us. Dr. Snoddy's pleture is on each package. Beware of imitations and accept no embeticales. Write to-day for Dr. Snoddy's new bookles on Hog Cholera and erculars and testimonials about his remedy. Address,

The Dr. J. H. Snoddy Remedy Co. Branch House—Des Moines, Ia. Alten, Ill., U. S. A

HARRIS & McMAHON, Lamine, Missouri.

Bargains in Berkshir, s at Sunnyside.

FINE BERKSHIRES

Of the best families at farmers' prices. Write for what you want, or what is better, come and inspect the stock W. H. KER, Prairie du Rocher, Illinois.

# Skabcura-Nicotine Sheep Dip

# INCOLN DIP

Cures scab; Destroys Skin parasites PASTEUR VACCINE CO., Chicago, New York-Omaha-Kansas City-Ft. Worth-San Francisco

COMBINATION BROOD SOW SALE, at Buncaton, on Wednesday, Feb. 27, 1901, Consisting of 45 head of extra choice Poland-China Brood Sows and Gilts, bred to Missouri Black Chief 2d, Look Tecumseh, and other choice boars. Also choice spring boars.

DEMEMBER the Brood Sow Sale of Thoroughbred Berk-R shires at Jefferson City, Mo., March 6, 1901. For Catalogue write J. T. POLLARD, Fulton, Mo.

A few of them in a flock of sheep are a Animal Industry, entitled "Information protection from wolves and dogs; and Concerning the Angora Goat." The bul-their manure is noticeably helpful to the letin was prepared by Mr. George Fay.

their manure is noticeably helpful to the grass which follows them after they have cleaned away the underbrush.

There is much interest in the goat question, and the U. S. Department of Agriculture has received numerous letters of inquiry concerning Angora goats. For the purpose of answering the many questions contained in these letters, the Bureau of Animal Industry of that Department has just issued Bullstin No. 27, Bureau of

### **Masters** of Men

By Morgan Robertson

with a brutal captain. Begins in this week's (February 23) number of

THE SATURDAY EUENING POST

SENT to Any Address Every Week for THREE MONTHS on receipt of ONLY 25 CENTS

#### Boys Who Make Money

In a dainty little booklet, 25 out of some 1800 bright boys tell in their own way just how they have made a success of selling

THE SATURDAY **EUENING** POST Pictures of the boys-

letters telling how they hours. Interesting stories of real

The Curtis Publish

# The Markets

WHEAT—Cash Market—By sample, del., No. 2 red sold at 74c this and 74@75½c (latter extra fancy) E. side, No. 3 red at 72@73½c, No. 4 at 88 to Te. Hard winter in demand. No. 2 selling at 70½c for ordinary to 11½d71½c for Kansas; 10,000 selling to arrive at 71½c, and yellow belly at 72c, No. 3 at 69½d60½c. Spring dull, No. 3 selling at 68c, No. 4 at 68c and rejected at 55c. CORN—Cash Market—On trk., del. No. 2 dat 39½d60; No. 2 yellow at 40c; No. 3 do, at 39½d60; No. 2 yellow at 40c; No. 3 do, at 39½d60; No. 2 yellow at 40c; No. 3 do, at 39½d60; No. 2 yellow at 40c; No. 3 do, at 39½d60; No. 2 yellow at 40c; No. 3 do at 40@40½c. From elevator, 25,000 No. 2 sold for shipment.

mont. Cash Market—By sample, No. 2 at 284,627c; No. 3 at 286,226; No. 2 Northern at 284,627c; No. 2 white at 286,2874c; No. 2 white at 287,2874c; No. 3 white at 277,2875c; No. 4 white at 277,775c; No. 4 white at 276,774c; red rust-proof skd. at 287,28. RYE—Firm; small offerings. Grade No. 2 salable E, side at 52c and choice would bring 524c.

ring 52%c. HAY—A dull and heavy market; the

0. GRASS SEEDS—Clover \$3@10.50. Timo-hy \$4.25@4.70; red top, 50c for chaff to \$-or fancy; millet 75c@1.25; Hungarian 70@ CASTOR BEANS-Bid \$1.30 per bu. for rime in car lots. HEMP SEED-\$2.80 per 100 lbs., pure FLAXSEED—Nominally lower at \$1.61. PRICES ON CHANGE.
The following tables show the range of

Closed Saturday.	Range Monday.	Closed Monday.
Wheat-	741/6/799/	791/ 0
May73% a	74%@73% 72%@72%	73½ a. 72½@72%
July72%	1278091272	1272491278
May391/4@1/4 a	2054@2814	38%@% b
July39¼ b	3914@39	38% @% a
Onte		
May26% July@	@	261/4 B.
July@	@	25%
Cash wheat, corn	and oats ran ar. Saturday.	Rou.
Wheat-		
No. 2 red1/2721/2@7	741/2@751/2	74 @75
No. 3 red71 @	72 72 @74	72 @731/2
No. 4 winter.66 @	39 68 @71	68 @71
No. 2 hard661/2@6	75% 70 @70%	701/2@71%
No. 3 hard65 @	36½ 69 @70½	691/2@701/2
Corn-		
No. 234 @	341/2 40 @	
No. 3331/2@	391/2@40	391/2@40
No. 2 white 341/4@3	341/2 401/20	40 @401/4
No. 3 white 34 @	391/2@40	10 (0107)



POTATOES—Northern stock on trk.: Visconsin and Minnesots—Burbank at 376 Se for common to fair, 41642c for choice, oright rural at 37638c for common to fair o 41642c for choice, bright white mixed t 38640c; common to fair red mixed at 386

ONIONS—Quote choice to fancy and red obe at 90c@41.05 del.; red Weatherfield

Nansemond on orders.
EGGS-Dull and easy at 14%c for fresh.
Offerings lighter, which may have prevented a decline.
BUTTER—A better feeling manifest—
particularly on fancy fresh goods. A lot of 18 tubs fancy near-by make creamery sold at 19c, and all other grades were salable on that basis. Held or stale stock slow and showe dilittle improvement, and offerings were mainly of these kinds.
Creamery-Extra. 2½c; firsts, 18691sc; seconds, 16691c. Packing stock—Choice packed, Bc; poor to fair, 669sc; choice roll, 166905c; alr-struck and poor do, 769sc. Dalery-Extra, 16691c. Packing stock—Choice packed, Bc; poor to fair, 669sc; choice roll, 166905c; alr-struck and poor do, 769sc. Dalery-Extra, 16691c. Packing, 16691c. P

furkeys at the partial state of the state of ometrs, ic, sody, so.

SHEEP PELTS.—Full wool pelts at 50c to 50c, according to amount of wool on them. Lamb at 35650c—Southern, 25640c; thearlings at 35650c—Dry stock, fallen, tc, 550c per pound.

BEESWAX—Quote at 27c per lb. for

prime.

ROOTS—Ginseng at from \$3.50 for small to \$4 for large; lady slipper at 7c; Seneca at 2sc; pink at 14c; golden seal at 48c; May apple at 2½c; snake at 24c; black 4c; Angelica 3½c; wahoo—bark of root 8c, bark of tree 2½c; blood 2½c; bluefing 3c; skulicap leaves 6c; sassafras bark 4c; wild gringer 4c.

kulicap leaves oc; sassatias tinger 4c. STOCK PEASE—Last sales of Whip-proportion of the state of the coordinate of the state of the s noorwill at \$1.10 to \$1.21 per bu. Other tinds nominal. SORGHUM CANE SEED—Nominal at 50 to \$1 per 100 lbs. BUCKWHEAT—Nominal at \$1.25@1.30

per 100. CASTOR BEANS—Bid \$1.30 per bu, for prime in car lots; smaller lots and inferior prime in car lots; smaller lots and inferior less.

DRIED FRUIT—Evaporated quiet. We quote: Apples—Evaporated: Rings at 3½c to 4c, quarters at 3c to 4c; chops at ½%c; peelings at ½c. Sun-dried: Quarters at 3@3½c for good to 3½c for choice, inferior less. Peaches—Fancy evaporated unpeeled halves at 4c, and sun-dried at from lo to 2c per lb.

WHITE BEANS—Hand-picked pea beans in a jobbing way from store at \$2.15 per bu; screened at 5c per bu less. Country at \$1@1.50. Lima beans at 6%@6%c per lb.

per out., screened at 50 pc 51 tiess. Country at \$160.50. Lima beans at 6%66%c per lb.

HONEY—Comb at 16c to 12%c; fancy white clover 15606c; inferior, dark and broken less. Extracted and strained in block ender the combined of the combined in the light receipts meet ready sale on basis of \$80 per ton for common to \$70 for choice. BONES—Choice bleached at \$15 per ton; other kinds from \$1 to \$14. RA6S, ETC.—Per 190 lbs.; Country rags at 70c. Old rope—No. 1 and manila \$1.50; No. 2 at 50c. Rubber \$6.

SCRAP IRON AND METAL—Per 100 lbs.; Wrought iron 50c; heavy cast 45c; malleable 30c; steel 30c; breakage 30c; stove 30c; burnt 20c. Light brass \$1.25; heavy brass \$11.50. Copper \$12.50. Zinc \$2. Lead \$8.50. Pewter \$12. LinsEED OII.—Quotable per gal.; Raw at 66c; boiled at 67c; ic per gal, less in car lots.

CASTOR OII.—In lots of 200 gals, or over

ots. CASTOR OIL—In lots of 200 gals. or over t 12c per lb. for No, 1 and 10c for No. 3; maller quantities 1c per lb. more.

LIVE STOCK

HORSES—The horse market began for the week with rather a smaller supply than for several weeks, but it embraced quite a number of good chunks and draft blocks from Iowa and Nebraska. The chunks brought prices ranging from \$105 to \$125, but the drafters sold up to \$175, but even at that the trade was not generally quoted as having as strong an undertone as last week; the commission interest reported the market as fully steady, notwistanding a lighter buying constituency, but among some of the dealers it was thought to be quieter. Small horses were reported as having the best comparative demand.

Horse soud, \$50 to \$140; choice to extra, \$150 to \$125. Sarm chunks—1,50 to 1,550 lbs., fair to good, \$50 to \$140; choice to extra, \$150 to \$125. Conditions: Heavy draft—Common to good, \$50 to \$140; choice to extra, \$200 to \$100. Horses for the South—Small, light of \$150. Horses for the South—Small, light of the section, \$125. Export chunks—1,200 to 1,600 lbs., plain to good, \$30 to \$10; choice to extra, \$25 to \$125. Export chunks—1,200 to 1,600 lbs., plain to good, \$30 to \$10; choice to \$200. \$300. Horses for the South—Small, light of \$150. Business drivers—Fair to good, \$25 to \$10; choice to extra, \$25 to \$125. Export chunks—1,200 to 1,600 lbs., plain to good, \$30 to \$10; choice to extra, \$25 to \$125. Export chunks—1,200 to 1,600 lbs., plain to good, \$30 to \$10; choice to extra, \$25 to \$10; choice to extra, \$2

ADDITIONAL MARKETS ON PAGE 4. ARIZONA NOTES.

Editor RURAL WORLD: I live in Upper Salt River Valley. We are just now emerging from a three years' drouth. It is raining now. Our principal crops here for market are wheat, barley and alfalfa hay, and vegetables and fruits of nearly all kinds that grow in the United States. all kinds that grow in the United States. Our farmers are of the broken-down mining class and are about 20 years behind in farming. We have good land and plenty of water as we farm by irrigation altogether. We have very few experienced farmers. We have no railroad into this valley and our market is the local mining towns, which are hard to beat.

There are many undeveloped resources, but no enterprising people with capital. We need at least one flour mill, also we need saw mills, and there is good market for both flour and lumber. Lumber is worth \$40 to \$60 per thousand feet; flour, \$3.50 per 100 pounds.

GHla Co., Aris. all kinds that grow in the United States

TRAVELING RANGE MEN.

Editor RURAL WORLD: J. D. Hart, of Pope Co., Ill., calls attention to a matter of importance. Some years ago several of our citizens were victimized in the man-

her he writes of.

The worst part of the transaction is the fact that the very range sold by these secondrels can be bought of any dealer our large towns and cities at a little in our large towns and cities at a little more than half the price paid to the swindlers. The price paid here was \$45, and the same range was on sale in the city for \$42. I very much doubt whether it would be possible to find a six-hole range, with water back and warming closet complete, on the market at more than \$65 to-day; if a higher price is asked it would certainly be for extra "gingerbread" work, as the very best of plainsteel ranges can be bought in any city for \$40 or less. can be bought in any city for \$40 or less.

Pass the word along the line that these traveling agents are extortioners, to say nothing of the swindling methods they

#### A FAMILIAR FALSEHOOD.

A FAMILIAR FALSEHOOD.

When a customer seeks to purchase some well-known, widely advertised standard article, and the dealer tries to sell him something else claiming the offered substitute to be "just as good," that dealer is guilty of flagrant falsehood. If the substitute were just as good it that dealer is guilty of flagrant falsehood. If the substitute were just as good it would sell on its own merits and would be called for by customers instead of having to be unloaded upon them by means of falsehood and deceit.

The very fact of the comparison "just as good," proves the claim to be untrue. We measure up, not down. We measure the less by the greater, not the greater by the less. When, therefore, some unknown or little known article is ranged untandard article, the very fact of such measurement by a well-known attandard article with which it is compared.

But this is only half the truth. By this we prove the claim "just as good" to be a falsehood, but the extent of that falsehood it is impossible to estimate. "Just as good" means, in general, adulteration in place of purity, and uncertain quality instead of a certain quality instead of a certain quality; cheap material instead of good material. And beyond all this the adulterants may be not simply make weights and cheats, but in some cases may be dangerous poisons.

When the dealer says "just as good," ask yourself "just as good" for whom? You will find in the answer to that question the motive of substitution, which is the extra profit paid the dealer by the sale of the substitutes and imitations of standard wares. "This is 'just as good' for you will find in the nanwer to that question the motive of substitution, which is the extra profit paid the dealer by the sale of the substitutes and imitations of standard wares. "This is 'just as good' for you which increases my profits."

THE GREAT HEREFORD SALE at Kansas City, Feb. 28-28, will afford anyone

profits."

THE GREAT HEREFORD SALE at Kansas City, Feb. 22-28, will afford anyone who wants a good Hereford cow, heifer or bull to select from 200 head that have been selected from the best herds in the country. It will be a rare opportunity to see a grand lot of stock and to get something very choice. Don't miss it.

SALE OF CATTLE AT FORT WORTH, February 16.—The public sales of blooded cattle, Shorthorns and whitefaces, at the stock yards this week have been decided successes, the total sales amounting to over \$30,000. The sale to-day was of Herefords, consigned by Reynolds Bros. of Higbee, Mo., and included twenty-one head. The cattle sold at an average of \$149. They ran from a calf of 9 months to a bull 8 years old.

DAIRYMEN and others who use cream separators will find it to their interest to investigate the article made by the Vermont Farm Machine Co.. Belows Falls, Vt. Its improved United States Cream Separators represent the most important scientific advances in the art of constructing these machines and their extensive and rapidly increasing sale is evidence of the fact that they fill all requirements. BEST PROFIT.—A leading agricultural journal says, editorially: "It is very difficult for most agreement of the fact that they fill all requirements. BEST PROFIT.—A leading agricultural journal says, editorially: "It is very difficult for most agreement of the fact that they fill all requirements. BEST PROFIT.—A leading agricultural journal says, editorially: "It is very difficult for most agreement of the second that the says of the second that the second that it is not to the second that the second that it is not that it is not the second that it is not that it is

A GOOD POST AUGUR.—A very desirable convenience and money saving tool is being advertised on another page of the Eureka Fence Mfg. Co. of able convenience and money saving tool is being advertised on another page of this issue by the Eureka Fence Mfg. Co. of Richmond, Ind. This is the S. & B. Earth Auger, more commonly known as a post auger. This one differs from the old-timespiral auger in its method of construction and quality of work. It is specially strong and well made, being constructed of best steel and securely attached to tubular from handle. It differs from others of its kind also because it is self dumping and clearing. It is an easy-to-handle, fast-boring auger, and one well calculated to give good satisfaction. These people also make fencing machines in three styles and nine good saustaction. These people also make fencing machines in three styles and nine different sizes. They are almost certain to have something which will suit you. Write them for free catalog.

Miller & Balsh's 31 head brought \$3,475, an average of \$122 per head. The 57 head brought \$9,275, aver-aging \$162 per head.

FIVE HUNDRED DOLLARS appears to be a big sum for one ear of corn, but this is what the Sibley Seed Farm, Sibley, Ill., proposes to give for an ear of their justly celebrated mammoth White Elephant corn, which they claim to be the largest corn in the world. Many ears weighing over two pounds have been exhibited grown from this variety, and some phenomenal yields have been obtained. This variety is especially adapted to the southern portion of the corn belt, and will in a few years be as famous as the celebrated Silver Mine corn, which was originated by the manager of the Sibley Seed Farm. They offer one pound of their new corn by mail for very little more than cost of postage, etc., and will send full particulars of prize competition and their 1801 common sense seed catalog. See their advertisement in another column.

THE HEREFORD COMBINATION SALE at Kansas City, February 7-8, was fairly well attended. The offerings were good, though some of the animals were a little thin. List of buyers and prices paid follow:

 Iow:
 8.

 K. B. Armour, Kansas City, Mo... 230
 150

 J. C. Hartzler, East Lynn, Mo... 150
 150

 Scott & Marsh, Belton, Mo... 135
 135

 Scott & Marsh, Belton, Mo... 130
 14

 I. H. Lukehart, Tarkio, Mo... 75
 75

 Scott & Marsh
 125

 Gudgell & Simpson, Independence,
 125

L. H. Lukenart, Tarkio, MoScott & Marsh
Gudgell & Simpson, Independe
Mo.

H. A. Neighbor, Wallula, Kas.
J. C. Hartler
L. Wolf, Kansas City, Mo.
Geo. Tamiin, Kansas City, Mo.
Geo. Tamiin, Kansas City, Mo.
Scott & Marsh
Geo. Tamiin
K. B. Armour
P. Laptad, Lawrence, Kas.
Geo. Tamiin
K. B. Armour
P. Laptad, Lawrence, Kas.
Geo. Tamiin
K. B. Armour
L. H. Luckhart
Scott & Marsh
Scott & Marsh
Geo. Tamiin
C. Taylor, Burlington, Kas.
Geo. Tamiin
J. C. Taylor, Burlington, Kas.
Geo. Tamiin
Geo. Tamiin
L. H. Luckhart
Scott & Marsh
Scott &

Geo. Taylor, Burington, Kas.
Geo. Tamlin
E. A. Savage, Kansas City, Kas.
Kansas State Agricultural College,
Manhattan, Kas.
Gudgell & Simpson
E. A. Savage
Geo. F. Derby, Lawrence, Kas.
Geo. J. Evans, Rayman, Mo.
Geo. Tamlin
Phil N. Hix, Glenlochs, Kas.
Henry Ackley, Wellsville, Kas.
J. Hickman, Deeth, Nev.
A. E. Metzgar, Lone Star, Kas.
A. E. Metzgar, Lone Star, Kas.
Geo. Tamlin

50. J. C. Taylor 135
51. T. F. B. Sotham 115
52. Geo. J. Evans 140
53. T. F. B. Sotham 125
54. J. C. Taylor 140
55. A. E. Metzgar 96
56. J. A. Corzine, Corbine, Kas. 100
77. T. F. B. Sotham 125
58. Geo. Tamiln 129
59. C. A. Stannard 170
60. T. W. Carmichael 170
60. T. W. Carmichael 170
60. T. W. Carmichael 180
Hill Bros. 49 head brought \$6,385 an average of \$132 per head. Eagle & Son's 20 head brought \$15,850, an average of \$132 per head. Eagle & Son's 20 head brought \$15,950, an average of \$150 per head. The 60 head sold the first day averaged \$158.91.

SECOND DAY'S SALE.
61. H. Miller, Marion, Kas. \$60
62. R. T. Thornton 165
63. Ben Whitely, Everly, Mo. 66
64. T. F. B. Sotham 126
65. R. T. Thornton 126
66. R. T. Thornton 126
67. R. T. Thornton 120
67. R. T. Thornton 120
68. Fred Evans, Riymon, Mo. 175
68. Fred Evans, Riymon, Mo. 175 T. Thornton ced Evans, Raymon, Mo. C. Taylor Sloan, Wellsville, Kas. N. Snyder, Virginia, Neb. W. Carmichael M. Winter, Humphriles, Mo.

W. Stoan, vensymbol, v

for \$ 3.20 Quarts mill Direct from Distiller to Consumer. Express Charges Prepaid.

One hundred and fifty thou-sand customers throughout the United States use our whiskey. Ample testimony as to its purity and quality, is it not? Our entire product is sold direct to consumers, you thus avoid adulteration and mid-diemen's profits. If you want pure whiskey for medicinal HAYNERS purposes or otherwise, read the following offer. It will interest you.

Save the enormous profits of the middlemen. Such whiskey as we offer for \$3.20 cannot be had elsewhere for less than \$5. Our distillery was established in 1866. 33 years' reputation is behind our whiskey. RYE interest you.

We will send four full quart bottles of Hayner's Seven-Year-Old Double Copper Distilled RyeWhiskey for \$3.20, Express Prepaid. We ship in plain packages—no marks to indicate contents. When you get it and test it, if it is not satisfactory return it at our expense and we will DAYTON OHIO.U.S.A.

THE HAYNER DISTILLING CO. 200-207 S. Seventh St., St. Louis, Mo.

my will do just as it agrees.-EDIT

GOLD MEDAL CORN AND PREMIUM WINNING VARIETIES.

Having highest garmination power every ear hand selected from pure stock, despect-gra'ned varieties and heaviest yielders; highest award at Omaha exposition; first premium and sweepstakes at Shanandoah fair; many farmers have increased their yield 10 to 20 butsels and even more per acre by planning thorougained seed ours. "WEST'S IMPROVED LEGAL TENDER." dark rich golden yellow, 8 to 8 to 6 deep grain and small cob; matures in 100 days; price 8 if 5 per but 10 st. 31. "10 WA SILVER HINES." a white variety, with white cob; matures in 90 days; price, 8 it per but 10 but. Seed 4 conta in stamps for camples of several varieties of best SEED OURs and descriptive catalogue. WRITE TO-DAY. Address



SUDDUTH PEAR TREES BEARING IN THE NURSERY ROW. THREE YEARS OLD FROM ONE GRAFT. I hereby certify that the accompanying photograph of Sudduth Pear Trees, bearing in the nursery row, was taken by me in Augustine & Co.'s Nursery, at Normal, III. Photograph taken August 1, 1900.

D. H. SHANKLIM, Photographer. Subscribed and sworn to before me this 16th day of August, 1900.

H. J. SCHAEFFER, Notary Public. Williamsville, III., June 27, 1900.

My two Sudduth Pear trees, fifty-eight years old, are as usual loaded with fruit. This, however, is a very common thing, as they have not failed since my acquaintance with the trees, more than forty-five years ago. The young trees on the Suduth home farm and the other old trees in the vicinity of Williamsville are all loaded, the limbs already bending with the fruit. Very truly yours, IRA KNIGHTS, President Sangamon County Farmers' Institute.

President Sangamon County, stitute.

The propagators, Augustine & Co., Normal, Illinois, have issued a handsome illustrated booklet giving history and description of this wonderful fruit which they will be giad to send to all who ask for it, free. See their advertisement on another page of this issue.

Arrangements are being made for the stablishment of schools of agriculture in the Philippines.

NORTH MISSOURI is filling up with fine stock breeders, because it is an ideal stock country; blue grass and corngrow to perfection; water, soil, climate and mar-kets unsurpassed.—Live Stock Journal.

THE IOWA SEED COMPANY.-With THE IOWA SEED COMPANY.—With the old century which has just closed the lowa Seed Co., Des Moines, Iowa, completed their 30 years' of successful business. The reason for this lies in the fact that their choice lowa seeds are unsurpassed, that their prices are right and that they please and satisfy their customers. Every one who has a garden frequently feels the need of some book giving manner of planting, and care of the various crops. The new catalog published by the Iowa Seed Co. answers this description. It is a complete book, containing hundreds of illustrations, and a description of the most prominent varieties. It is free to any of our readers who ask for it.

Sweet Potato Seed Sejected Red Bermudas, Red Namemond, South ern Queen, Yellow Jerseys, \$1.75 per barrel. de livered. CUBTIS HAGLER, Makanda, Ill.

Strong Plants of Uncle Sam, The frand and be:t latest grape, Ozark and othe grape vines; also Delaware and Cynthiana wine for sale. JOSEPH BACHMAN, Altus, Ark.

S. C. Brown Leghorns Exclusively.
Farm-raised. Fresh blood yearly. 13 eggs \$1:26
81.75. C. S. Jenkins. Rocheport, M

### Save Money

Inaugural **Excursions** 

Washington, D.C. B. & O. S-W.

ONE FARE Round From All Points. MARCH Ist, 2nd and 3rd,

Special Low Rates

MILITARY AND OTHER ORGANIZATIONS. -SOLID TRAINS DAILY-3

Modern Day Coaches, Pullman Drawing Room Sleepers. Observation Cars and Dining Cars. For detailed information call on any Agent or

O. P. McCarty, Gan e ral Passenger Agent, C'ncinnati, Ohio

California

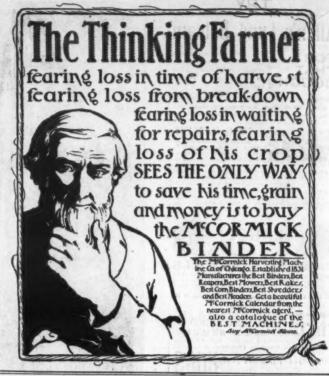
From Kansas City, and \$27.50 from St. Louis. Tuesdays, February 12 to April 30.

Through tourist sleepers to San Francisco and Los Angeles without change; also chair cars. California offers the home-seeker productive lands, perfect climate, good markets.

#### Santa Fe Route, Address, A. ANDREWS,

GENERAL AGENT, Santa Fe Route,

06 N. Fourth St., St. Louis, Mo.



# ARE OFO DELOOKING

THESE

THEY ARE THE "CREAM" OF OUR LIST very order, Packet New and Illustrated Book, all about SEEDS That GROW.

PLANT SEED CO. St. Louis, Mo.

Quickly and CURED Permanently CURED REMEMBER, I have practiced right in 8a Louis nearly ten years and cured over 3.08 t. Louisan. NO PAY UNTIL CURE Co. No Pais; No Cutting. Enclose 4 cts. The Co. Phocklet on Rupting. Suite 908 A. LEWI, B. Dr., Suite 908 Holland & L. EWI, T. Suite 908 Holland & Bidg., 211 N. Tith atteet, 8t. Louis. 2803 LOCUST ST., ST. LOUIS. The only Positive Cure for Liquor Drinking, Morphine and other Narcotic Drug Using, Neurasthenia, Tobacco and Cigarette addictions.

Correspondence and Consultation Confidential.

DR. J. E. BLAINE, Physician and Manage.

Home Treatment for Tobacco and Neurasthenia.

Local and long distance telephone. Lindell 155.

THE

#### **Improved United States Separator** Continues to Excel the DeLaval in Wisconsin

the Same as it Does in the Other States

A few weeks ago I decided to purchase a cream separator for use upon may farm. I had heard both the United States and the DeLavai machines highly recommended, so I decided to try both before buying. \* \*
Friday, Jan. 18th, all hands were present, the DeLavai Local Agents and also the State Agent, while the U.S. man was alone and a stranger in the crowd.
The DeLavai Agents had laid considerable stress upon the fact that their machine could do much bester work than the U.S. of which all especially whem skimning cold milk at a temperature of 63 degrees, or when running at low speed; so we decided to test the machines on these points, as well as on milk at normal temperature. The following is the result of these tests:

Cream Test. 36% 27% Speed. 50 45 450 lbs. 405 lbs. Test No. 2. Normal Temperature. Low Speed. 450 lbs. 405 lbs. 42 38 36% 27% 880 Test No. 3. Cold Milk. Regular Speed.

The machines used were both \$125.00 machines, therefore the results speak for themselves. The U. S. with all the conditions against it, running a much larger capacity and a mach heavier cream, and In the first test with the milk of colder than the Baby, proved superior in every test.

A great victory for the U. S., especially so as the test was run according to the wishes of the DeLawai representative.

J. T. DONAGHEY.

The Best Separator on the Market in every sense of the word is

The Improved United States Cream Separator VERMONT FARM MACHINE CO., BELLOWS FALLS, VT.

SCHOOLS AND COLLEGES. ESTABLISHED 1876. HAYWARD'S

Shorthand and Business College. Shorthand, Book-keeping, Reading, Arithmetic speiling, Penmanship, etc. Finest school-rooms in the city. One and Night session. Send for Cir-culture. 219, 329, 321 and 223 Odd Fellows Building St. Louts. Mo.

A Business Education and the Place to get it.

DIVICET IN DRIVES

Something for Sporting People.

Book of 300 pages beautifully bound. Full of good things. The most wonderful book ever pu liabed. German, French and English translation. In some countries prohibited. Everybedy should have one. Sent securely seeled upon receipt of one dollar. E. MORRIS & CO., E., 65 Rast Randolph St., Chicago, Ill.

FOR SALE SOT BEANS—Dwarf tured and section fresh, clean seed. Write to J. H. CHENGWETE, Laterop, Mo.

EITHER OR BOTH THESE BOOKS MAILED FREE

"Among the Ozarks," The Land of Big Red Apples.

is an attractive and interesting book, handsomely illustrated with views of South Missouri scenery, including the famous Olden fruit farm of 3,000 acres in Howell county. It pertains to fruit resisting in that great fruit belt of America, the southern slope of the Osarks, and will prove of great value, not only to fruit growers, but to every farmer and home seeker looking for a farm and a home.

'Wealth in Northern Arkansas'

Is the title of an illustrated pamphiet giving detailed information relative to the mining region of Northern Arkansas, conceded by experts to be the richest sinc and lead mining district in the world. This district, practically underveloped, offers investors the opportunity of a lifetime. The pamphiet will be mailed free. Address

I. E. LOCKWOOD, Kansas City, Mo

